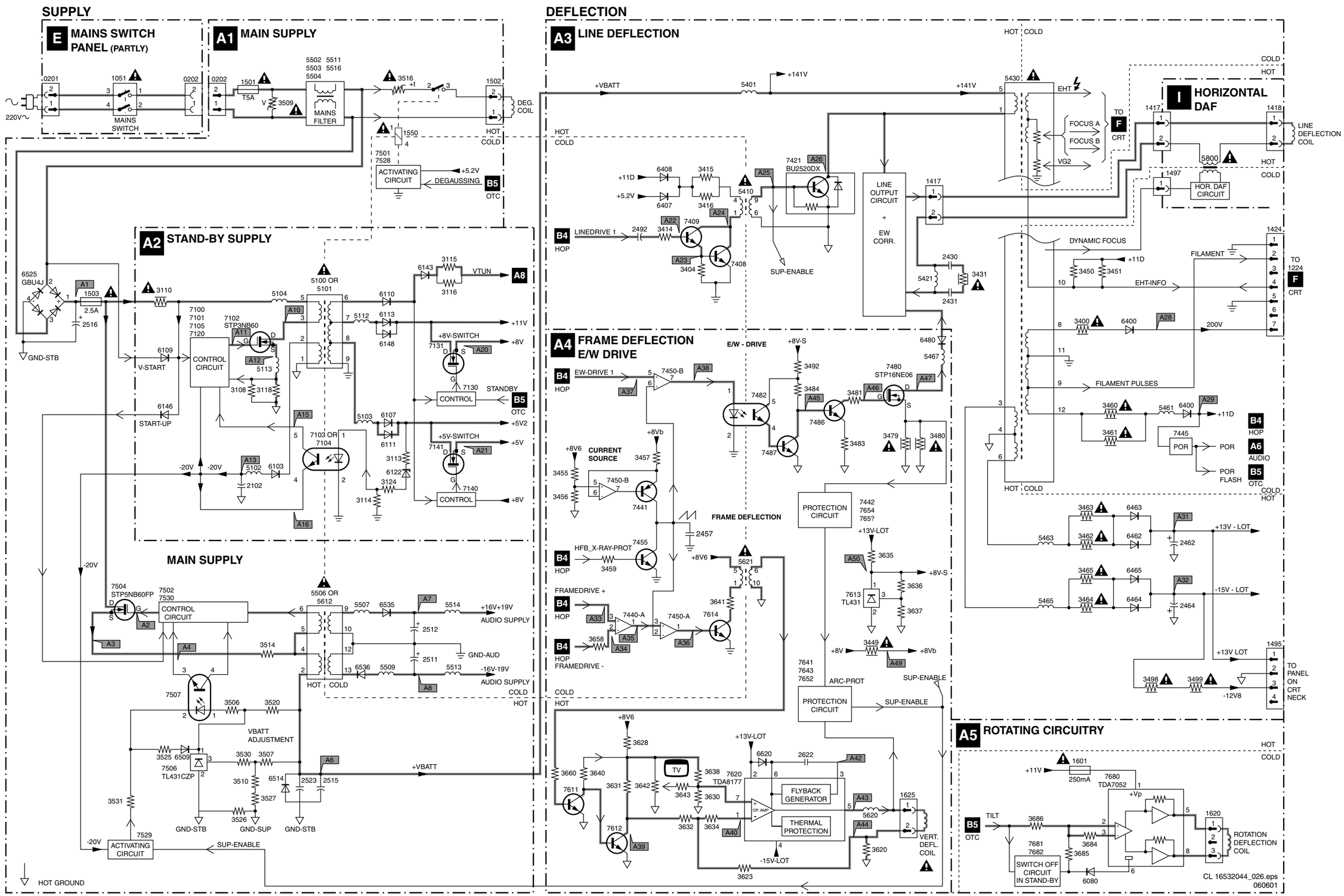
6. Block Diagrams, Wiring and Supply Diagram and Testpoints

Block Diagram LSP



Block Diagram SSB Video

VIDEO

A8 TUNER, SIMM-CONNECTOR (FEMALE)

B1 SIM CONN. (MALE)

B2 IF, I/O VIDEOPROC. (HIP)

B3 PICNIC

B4 HOP

B1 SIM CONN.

A8 SIM CONN.

A11 INPUT/OUTPUT (VIDEO PART)

B8 FALCONIC

F CRT/SCAVEM PANEL

H I/O 3RD SCART (VIDEO PART)

B6

O SIDE I/O

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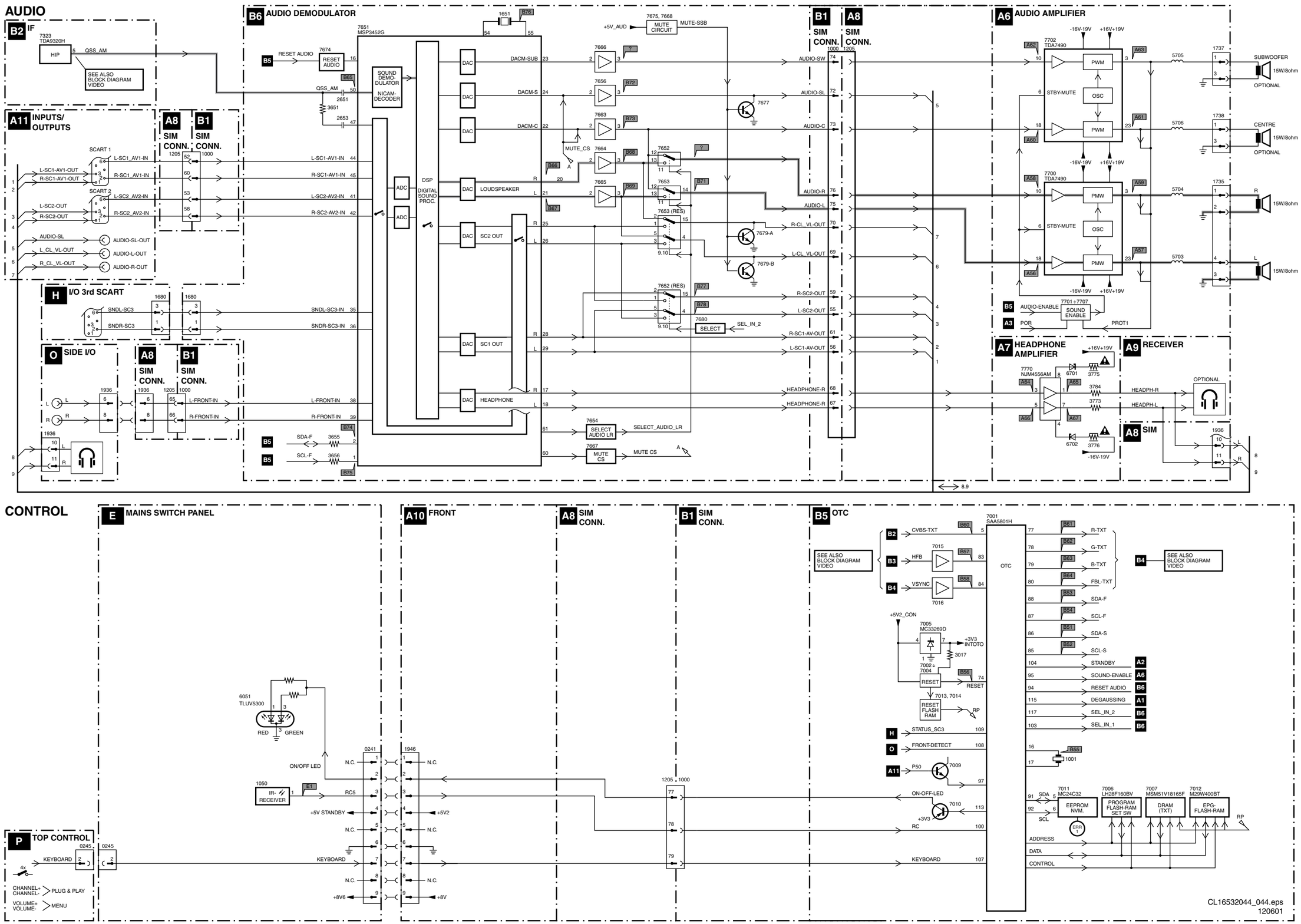
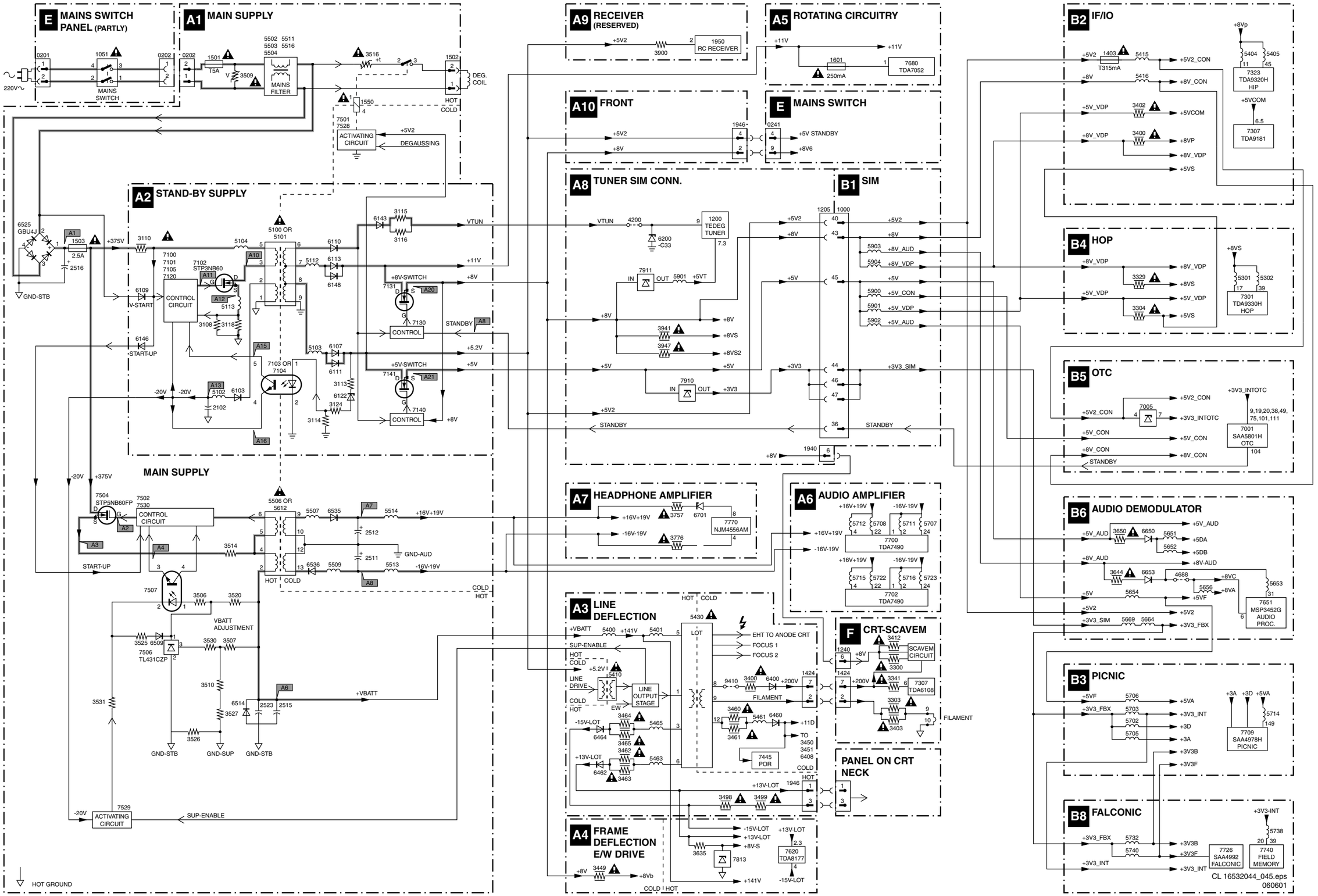
070601

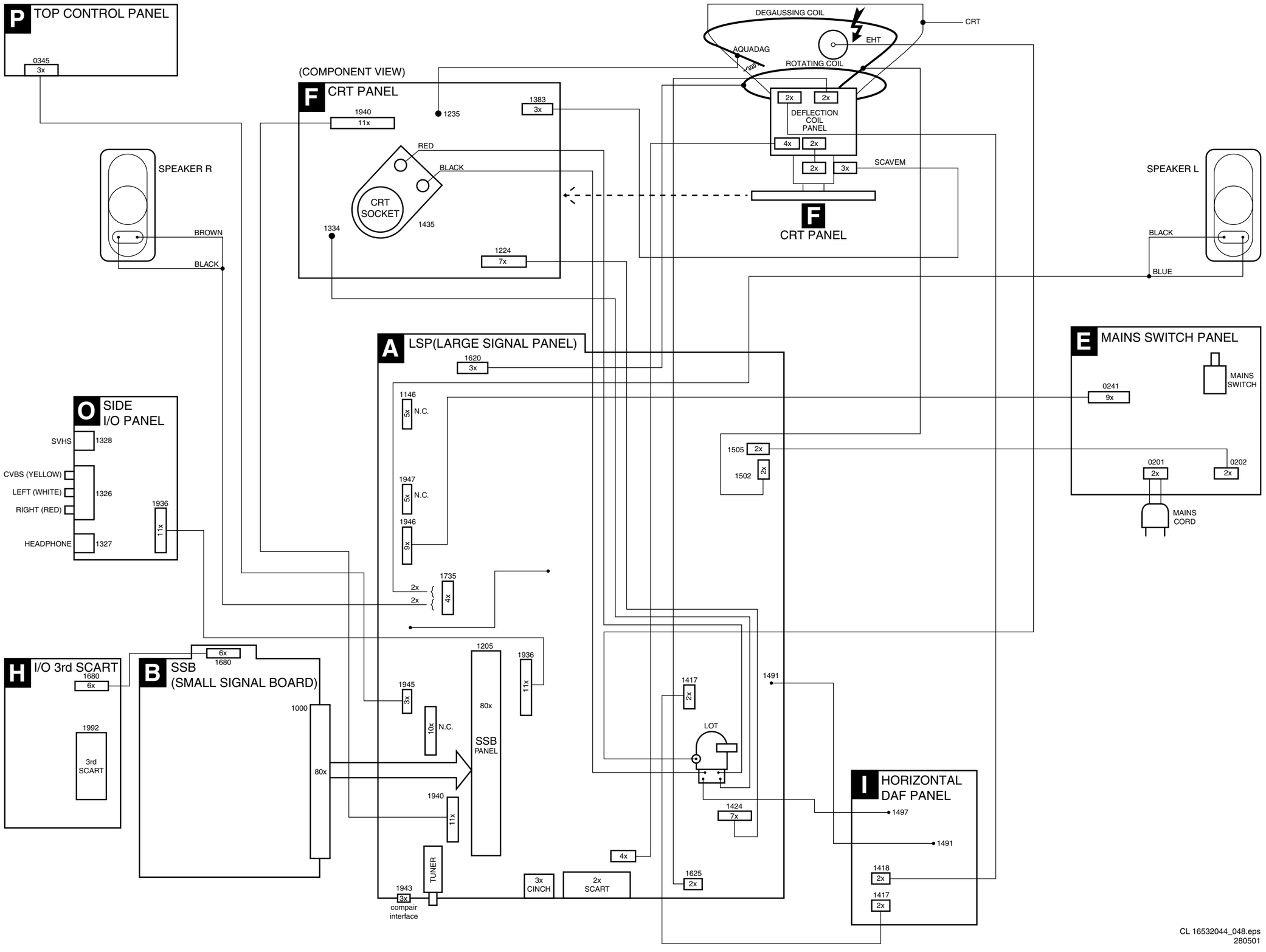
Block Diagram SSB Audio



Supply Lines Overview



Wiring Diagram



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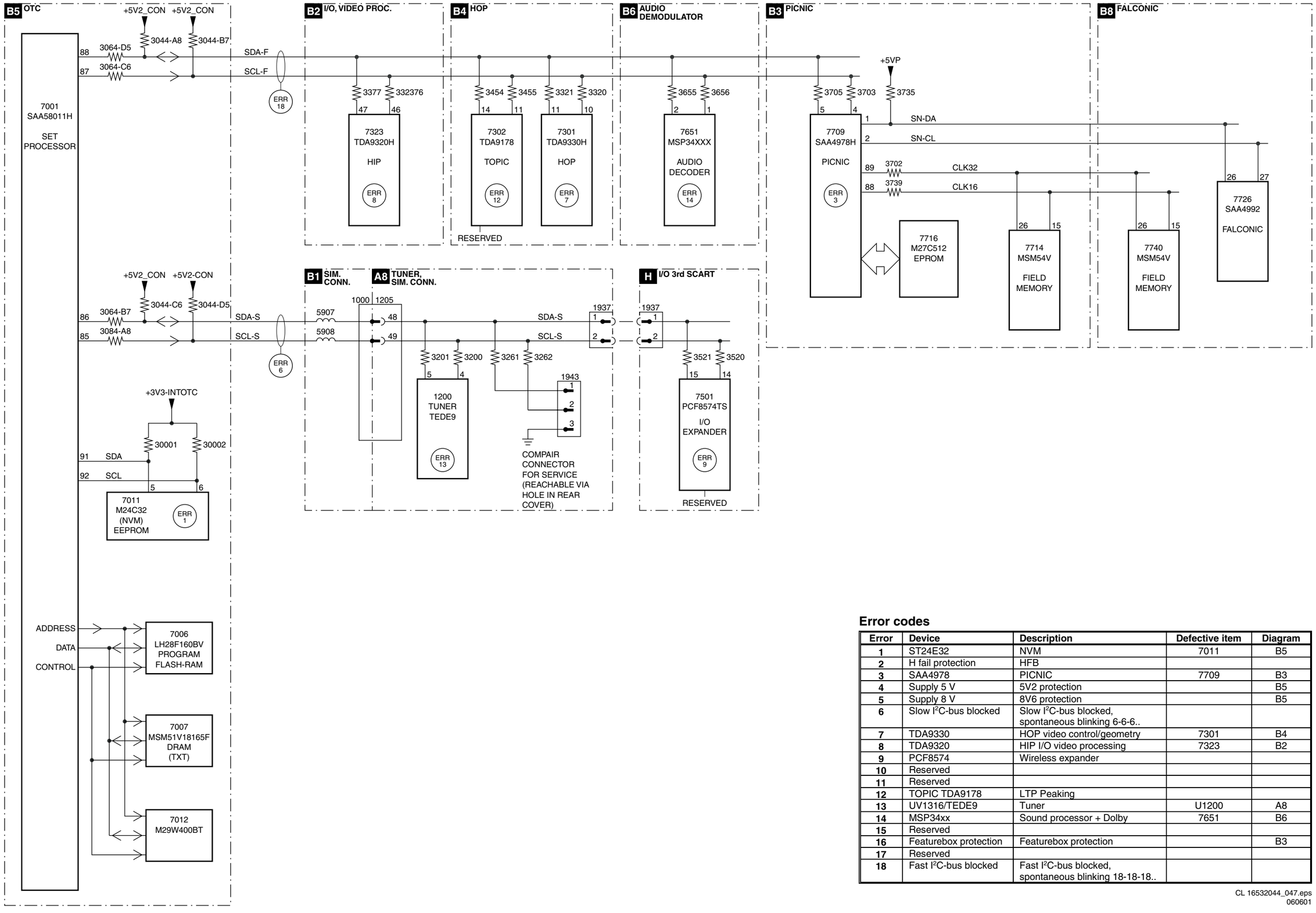
I²C Overview



Error codes

Error	Device	Description	Defective item	Diagram
1	ST24E32	NVM	7011	B5
2	H fail protection	HFB		
3	SAA4978	PICNIC	7709	B3
4	Supply 5 V	5V2 protection		B5
5	Supply 8 V	8V6 protection		B5
6	Slow I²C-bus blocked	Slow I²C-bus blocked, spontaneous blinking 6-6-6..		
7	TDA9330	HOP video control/geometry	7301	B4
8	TDA9320	HIP I/O video processing	7323	B2
9	PCF8574	Wireless expander		
10	Reserved			
11	Reserved			
12	TOPIC TDA9178	LTP Peaking		
13	UV1316/TEDE9	Tuner	U1200	A8
14	MSP34xx	Sound processor + Dolby	7651	B6
15	Reserved			
16	Featurebox protection	Featurebox protection		B3
17	Reserved			
18	Fast I²C-bus blocked	Fast I²C-bus blocked, spontaneous blinking 18-18-18..		

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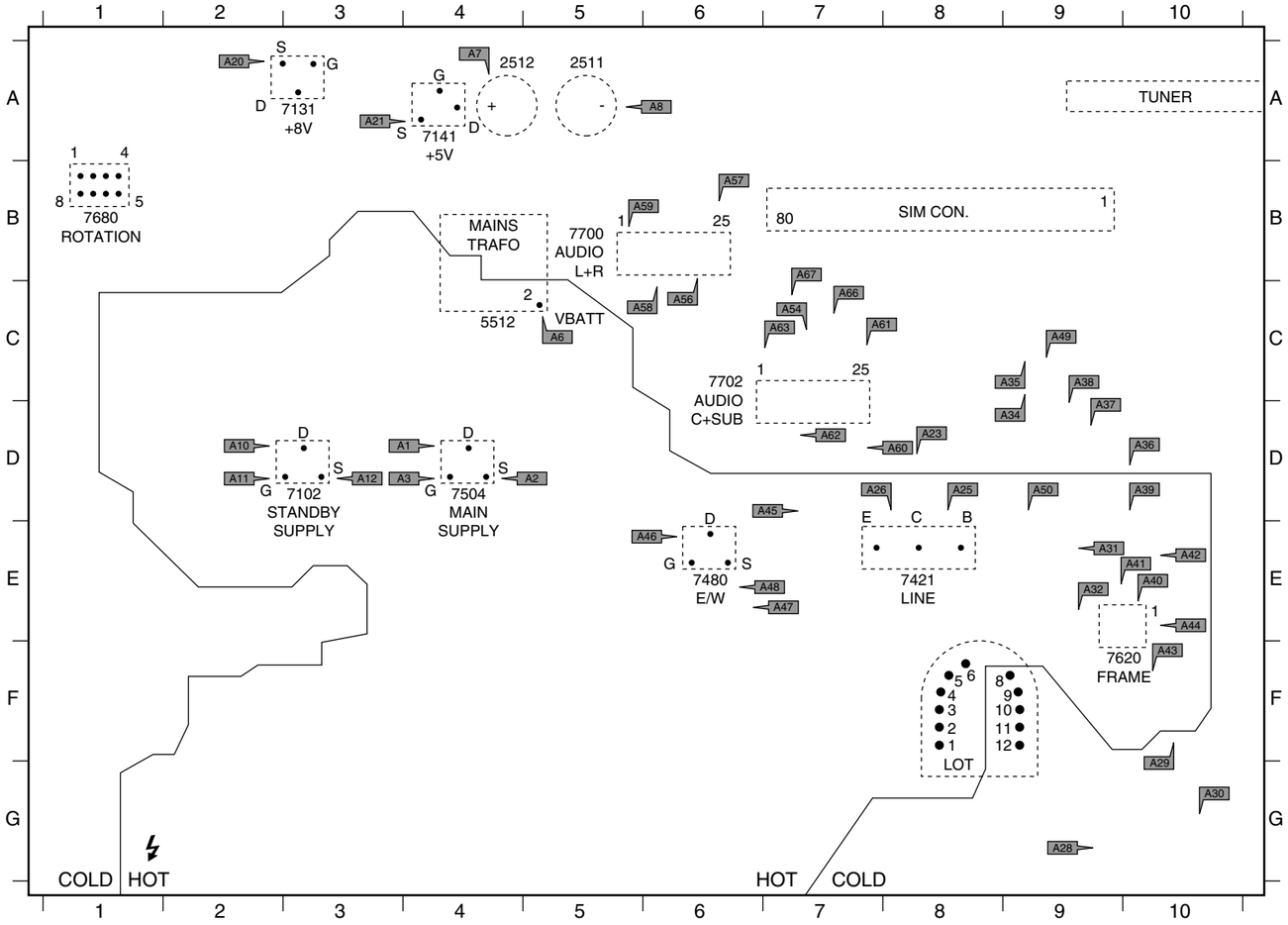
060601

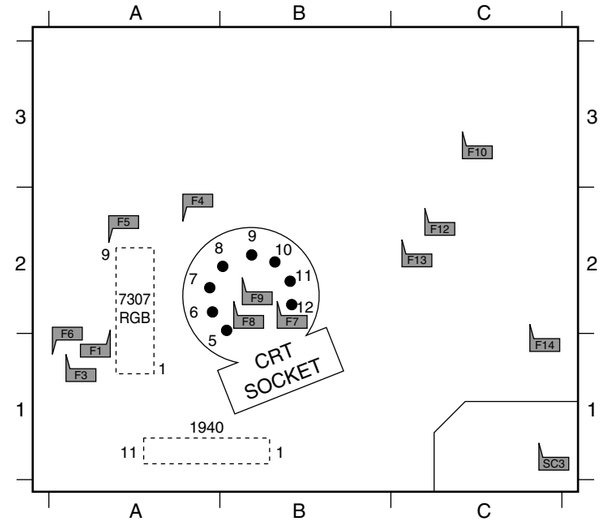
Testpoint Overviews

LSP COPPER TRACK SIDE

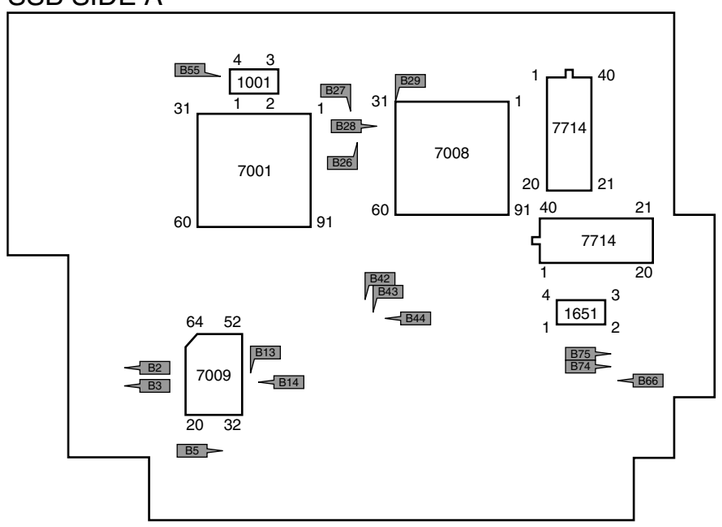


A1 D4
A2 D4
A3 D4
A6 C5
A7 A4
A8 A5
A10 D3
A11 D3
A12 D3
A20 A2
A21 A4
A23 D8
A25 D8
A26 D8
A28 G9
A29 F10
A30 G10
A31 E9
A32 E9
A34 D9
A37 D9
A39 D10
A40 E10
A41 E9
A42 E10
A43 F10
A45 D7
A46 E6
A47 E6
A48 E6
A49 C9
A50 B5
A57 D9
A59 C6
A60 D7
A62 D7

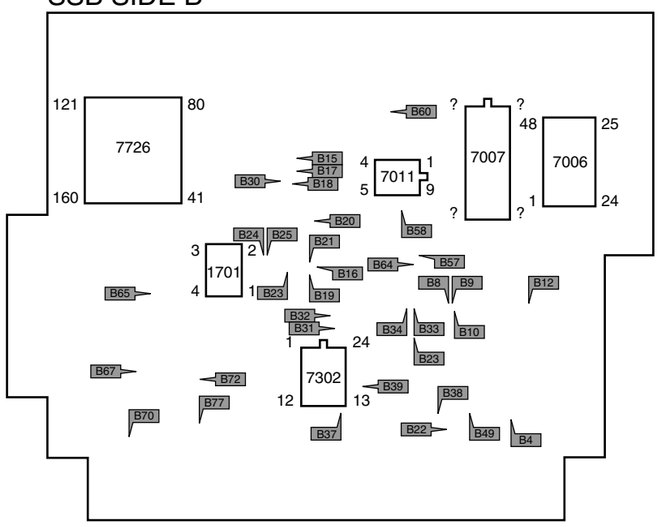
CRT PANEL (COPPER TRACK SIDE)



SSB SIDE A



SSB SIDE B



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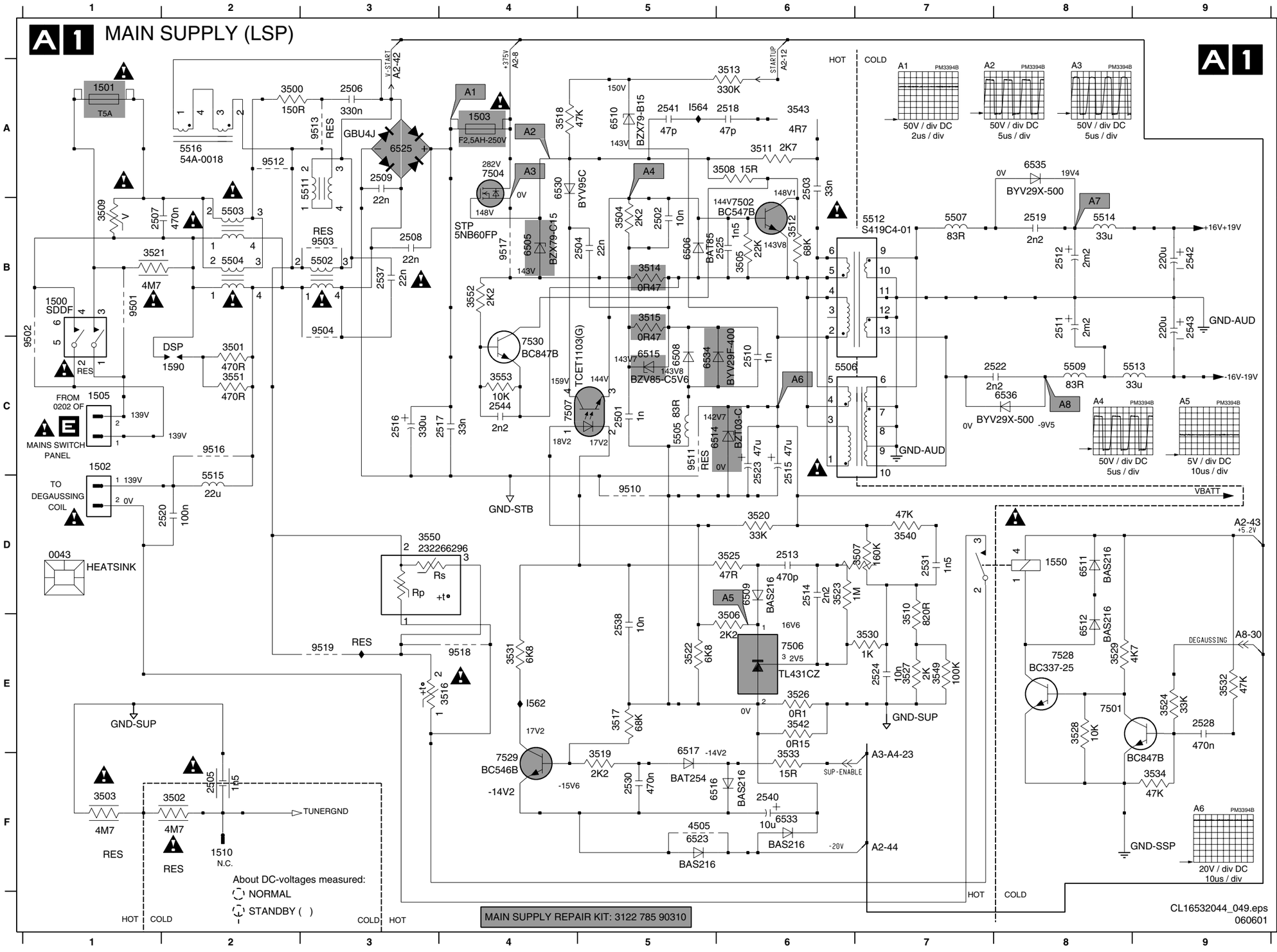
7. Electrical Diagrams and PWB's

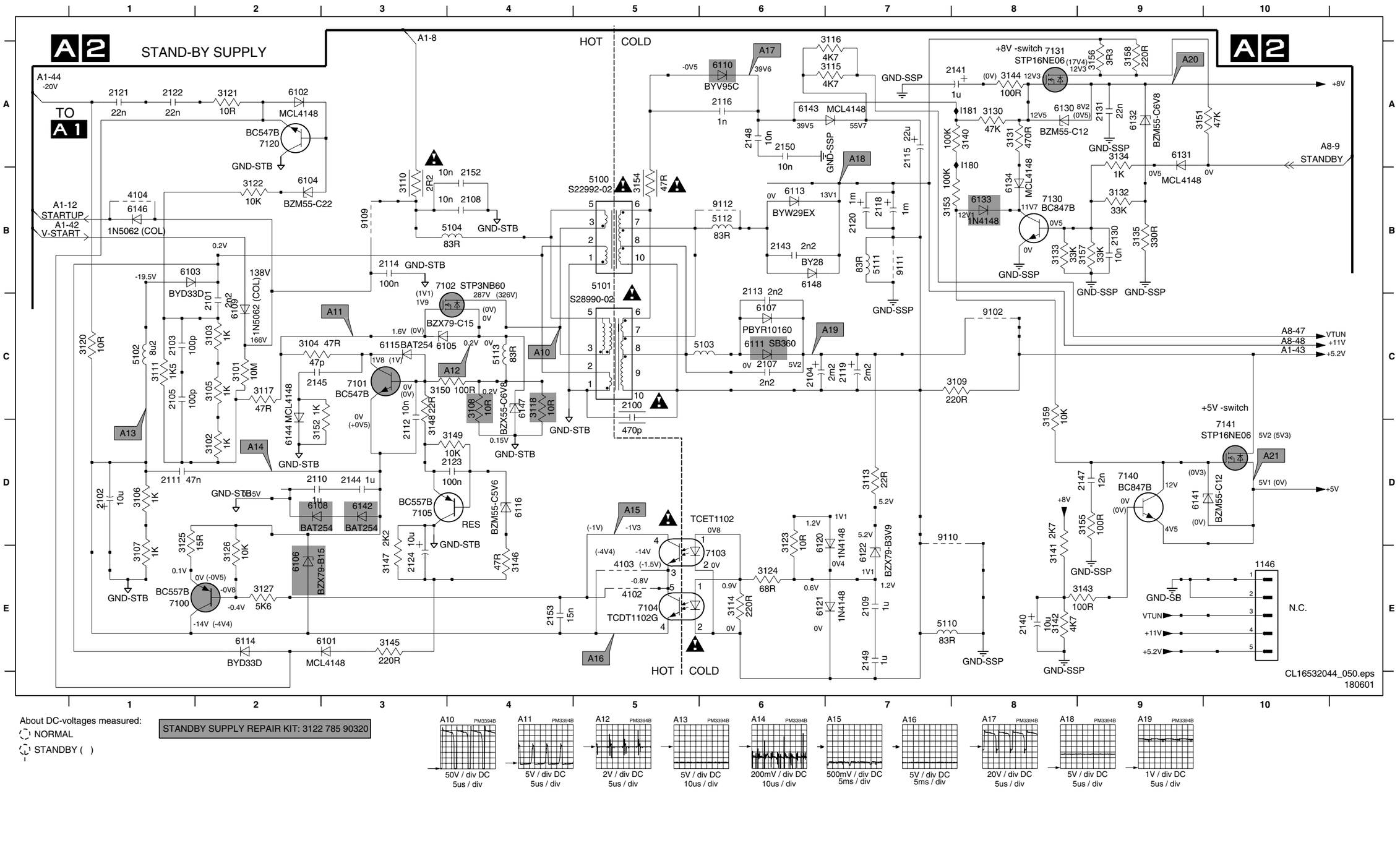
Large Signal Panel: Main Supply



0043 D1	3519 F5	7529 F4
1500 B1	3520 D6	7530 C4
1501 A1	3521 B1	9501 B1
1502 C1	3522 E5	9502 C1
1503 A4	3523 D6	9503 B3
1505 C1	3524 E9	9504 B3
1510 F2	3525 D6	9510 D5
1550 D8	3526 E6	9511 C5
1590 C2	3527 E7	9512 A2
2501 C5	3528 E8	9513 A3
2502 B5	3529 E8	9516 C2
2503 A6	3530 E7	9517 B4
2504 B5	3531 E4	9518 E4
2505 F2	3532 E9	9519 E3
2506 A3	3533 F6	
2507 B1	3534 F9	
2508 B3	3540 D7	
2509 A3	3542 E6	
2510 C6	3543 A6	
2511 B8	3549 E7	
2512 B8	3550 D3	
2513 D6	3551 C2	
2514 D6	3552 B4	
2515 C6	3553 C4	
2516 C3	4505 F5	
2517 C4	5502 B3	
2518 A6	5503 B2	
2519 B8	5504 B2	
2520 D2	5505 C5	
2522 C8	5506 C6	
2523 C6	5507 B7	
2524 E7	5509 C8	
2525 B6	5511 A3	
2528 E9	5512 B7	
2530 F5	5513 C9	
2531 D7	5514 B8	
2537 B3	5515 D2	
2538 E5	5516 A2	
2540 F6	6505 B4	
2541 A5	6506 B5	
2542 B9	6508 C5	
2543 B9	6509 D6	
2544 C4	6510 A5	
3500 A2	6511 D8	
3501 C2	6512 E8	
3502 F2	6514 C6	
3503 F1	6515 C5	
3504 B5	6516 F6	
3505 B6	6517 E5	
3506 E6	6523 F5	
3507 D7	6525 A3	
3508 A6	6530 A4	
3509 B1	6533 F6	
3510 E7	6534 C5	
3511 A6	6535 A8	
3512 B6	6536 C8	
3513 A6	7501 E8	
3514 B5	7502 B6	
3515 B5	7504 A4	
3516 E4	7506 E6	
3517 E5	7507 C4	
3518 A4	7528 E8	

Large Signal Panel: Standby Supply

1146 E10	2110 D2	2121 A1	2145 C2	3104 C2	3115 A7	3126 E2	3142 E8	3152 D2	4104 B1	6101 E3	6111 C6	6132 A9	7100 E1	7141 D10	
2100 C5	2111 D1	2122 A1	2147 D9	3105 C2	3116 A7	3127 E2	3143 E9	3153 B7	5100 B5	6102 A2	6113 B6	6133 B8	7101 C3	9102 C8	
2101 C2	2112 D3	2123 D4	2148 A6	3106 D1	3117 C2	3130 A8	3144 A8	3154 B5	5101 B5	6103 B1	6114 E2	6134 B8	7102 B3	9109 B3	
2102 D1	2113 C6	2124 E3	2149 E7	3107 E1	3118 C4	3131 A8	3145 E3	3155 D9	5102 C1	6104 B2	6115 C3	6141 D9	7103 E6	9110 D7	
2103 C1	2114 B3	2130 B9	2150 A6	3108 C4	3120 C1	3132 B9	3146 E4	3156 A9	5103 C6	6105 C3	6116 D4	6142 D3	7104 E5	9111 B7	
2104 C6	2115 A7	2131 A9	2152 B4	3109 C8	3121 A2	3133 B8	3147 E3	3157 B9	5104 B4	6106 E2	6120 D6	6143 A6	7105 D3	9112 B6	
2105 C1	2116 A6	2140 E8	2153 E4	3110 B3	3122 B2	3134 A9	3148 D3	3158 A9	5110 E7	6107 C6	6121 E6	6144 D2	7120 A2		
2107 C6	2118 B7	2141 A8	3101 C2	3111 C1	3123 D6	3135 B9	3149 D4	3159 C8	5111 B7	6108 D2	6122 E7	6146 B1	7130 B8		
2108 B4	2119 C7	2143 B6	3102 D2	3113 D7	3124 E6	3140 A8	3150 C3	4102 E5	5112 B6	6109 C2	6130 A8	6147 C4	7131 A8		
2109 E7	2120 B7	2144 D3	3103 C2	3114 E6	3125 D1	3141 E8	3151 A9	4103 E5	5113 C4	6110 A6	6131 A9	6148 B6	7140 D9		

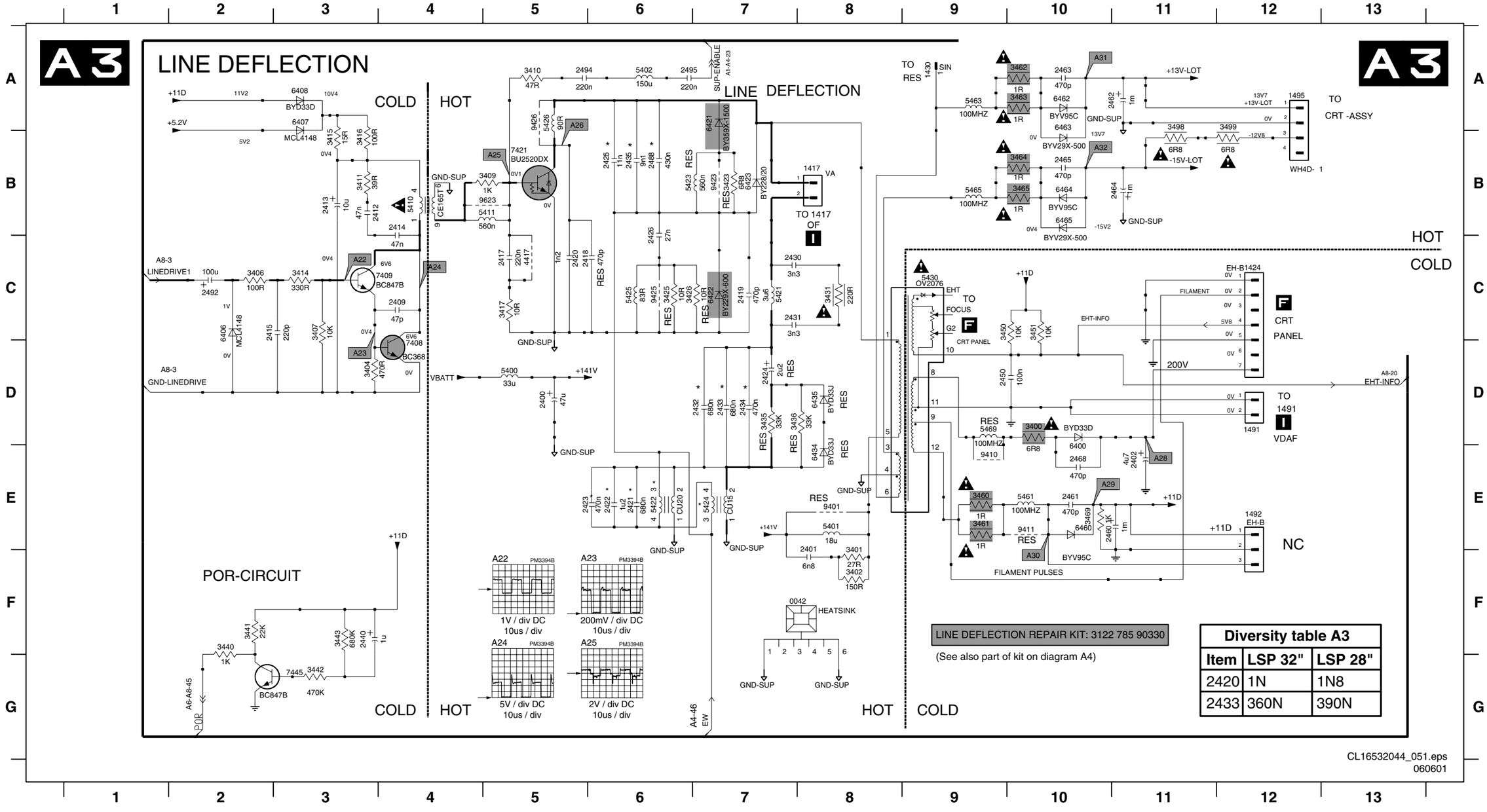


About DC-voltages measured:
- NORMAL
- STANDBY ( )

STANDBY SUPPLY REPAIR KIT: 3122 785 90320

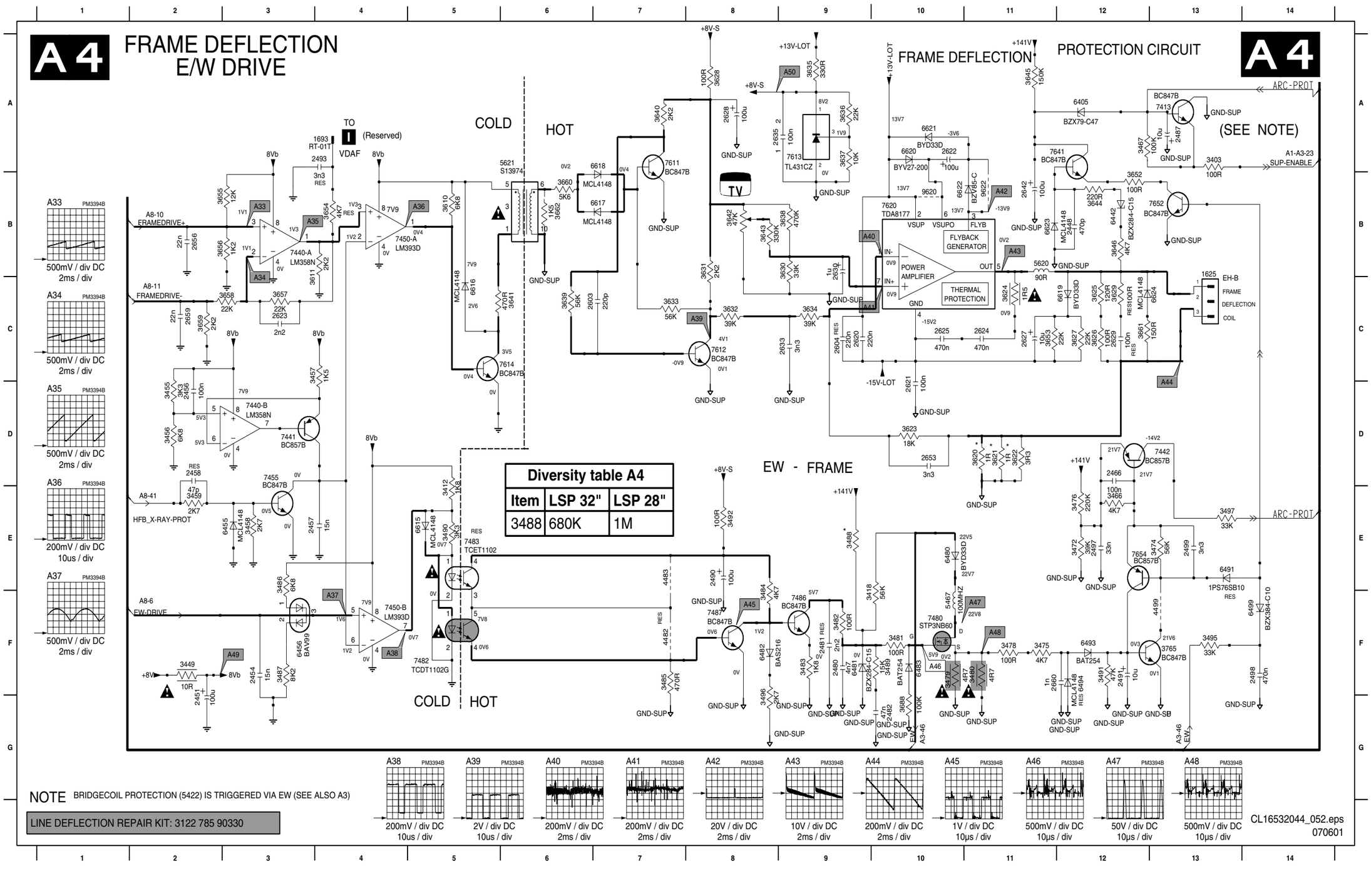
Large Signal Panel: Line Deflection

0042 F7	2400 D5	2415 C2	2423 E6	2433 D7	2462 A11	2494 A5	3407 C3	3417 C5	3440 F2	3461 E9	3499 A12	5421 C7	5461 E10	6408 A3	6462 A10	7445 G3	9623 B5
1417 B8	2401 F8	2417 C5	2424 D7	2434 D7	2463 A10	2495 A6	3409 B5	3423 B7	3441 F2	3462 A10	4417 C5	5422 E6	5463 A9	6421 A7	6463 A10	9401 E8	
1424 C12	2402 E11	2418 C6	2425 B6	2435 B6	2464 B10	3400 D10	3410 A5	3425 C6	3442 G3	3463 A10	5400 D5	5423 B6	5465 B9	6422 C7	6464 B10	9410 E9	
1430 A9	2409 C4	2419 C7	2426 B6	2440 F3	2465 B10	3401 F8	3411 B3	3426 C6	3443 F3	3464 B10	5401 E8	5424 E7	5469 D9	6423 B7	6465 B10	9411 E10	
1491 D12	2412 B3	2420 C5	2430 C7	2450 D9	2468 E10	3402 F8	3414 C3	3431 C8	3450 C9	3465 B10	5402 A6	5425 C6	6400 D10	6434 E8	7408 D4	9423 B7	
1492 E12	2413 B3	2421 E6	2431 C7	2460 E10	2488 B6	3404 D3	3415 A3	3435 D7	3451 C10	3469 E10	5410 B4	5426 A5	6406 C2	6435 D8	7409 C3	9425 C6	
1495 A12	2414 B4	2422 E6	2432 D7	2461 E10	2492 C2	3406 C2	3416 A3	3436 D7	3460 E9	3498 A11	5411 B5	5430 C9	6407 A3	6460 E10	7421 B5	9426 A5	



Large Signal Panel: Frame Deflection

1625 B13	2481 F9	2604 C9	2630 B9	3418 F10	3474 E13	3485 F7	3497 E13	3627 C12	3637 A9	3652 B12	3662 B6	6455 E3	6615 E5	7440-A B3	7483 E5	7653 F13
1693 A3	2482 G10	2620 C9	2633 C9	3449 F2	3475 F11	3486 E3	3610 B5	3628 A8	3638 B9	3653 C11	3688 G10	6456 F3	6616 C5	7440-B D3	7486 F9	7654 E12
2448 B12	2487 A13	2621 D10	2635 A8	3455 D2	3476 E12	3487 F3	3611 C3	3629 C12	3639 C6	3654 B4	4482 F7	6480 E10	6617 B7	7441 D3	7487 F8	9620 B10
2451 G2	2490 E8	2622 A10	2642 B11	3456 D2	3478 F11	3488 E9	3620 D11	3630 B9	3640 A7	3655 B3	4483 E7	6481 F9	6618 A7	7442 D13	7611 A7	9622 B11
2454 F3	2491 F12	2623 C3	2653 D10	3457 C4	3479 F10	3489 F10	3621 D11	3631 B8	3641 C6	3656 B3	4499 F13	6482 F8	6619 C12	7443 A13	7612 C8	
2456 D2	2493 A4	2624 C11	2656 B2	3458 E3	3480 F11	3490 E5	3622 D11	3632 C8	3642 B8	3657 C3	5467 F10	6483 F10	6620 A10	7450-A B4	7613 C5	
2457 E3	2497 E12	2625 C10	2659 C2	3459 E2	3481 F10	3491 F12	3623 D10	3633 C7	3643 B8	3658 C3	5620 B11	6491 E13	6621 A10	7450-B F4	7614 C5	
2458 D2	2498 F14	2627 C11	2660 F11	3466 E12	3482 F9	3492 E8	3624 C11	3634 C9	3644 B12	3659 C2	5621 A5	6493 F12	6622 B10	7455 D3	7620 B10	
2466 D12	2499 E13	2628 A8	3403 A13	3467 A12	3483 F9	3495 F13	3625 C12	3635 A9	3645 A11	3660 B6	6405 A12	6494 F12	6623 B11	7480 F10	7641 A11	
2480 F9	2603 C6	2629 C12	3412 E5	3472 E12	3484 F8	3496 G8	3626 C12	3636 A9	3646 B12	3661 C12	6442 B12	6499 F14	6624 C13	7482 F5	7652 B13	



Diversity table A4		
Item	**LSP 32"**	**LSP 28"**
3488	680K	1M

NOTE BRIDGECOIL PROTECTION (5422) IS TRIGGERED VIA EW (SEE ALSO A3)

LINE DEFLECTION REPAIR KIT: 3122 785 90330

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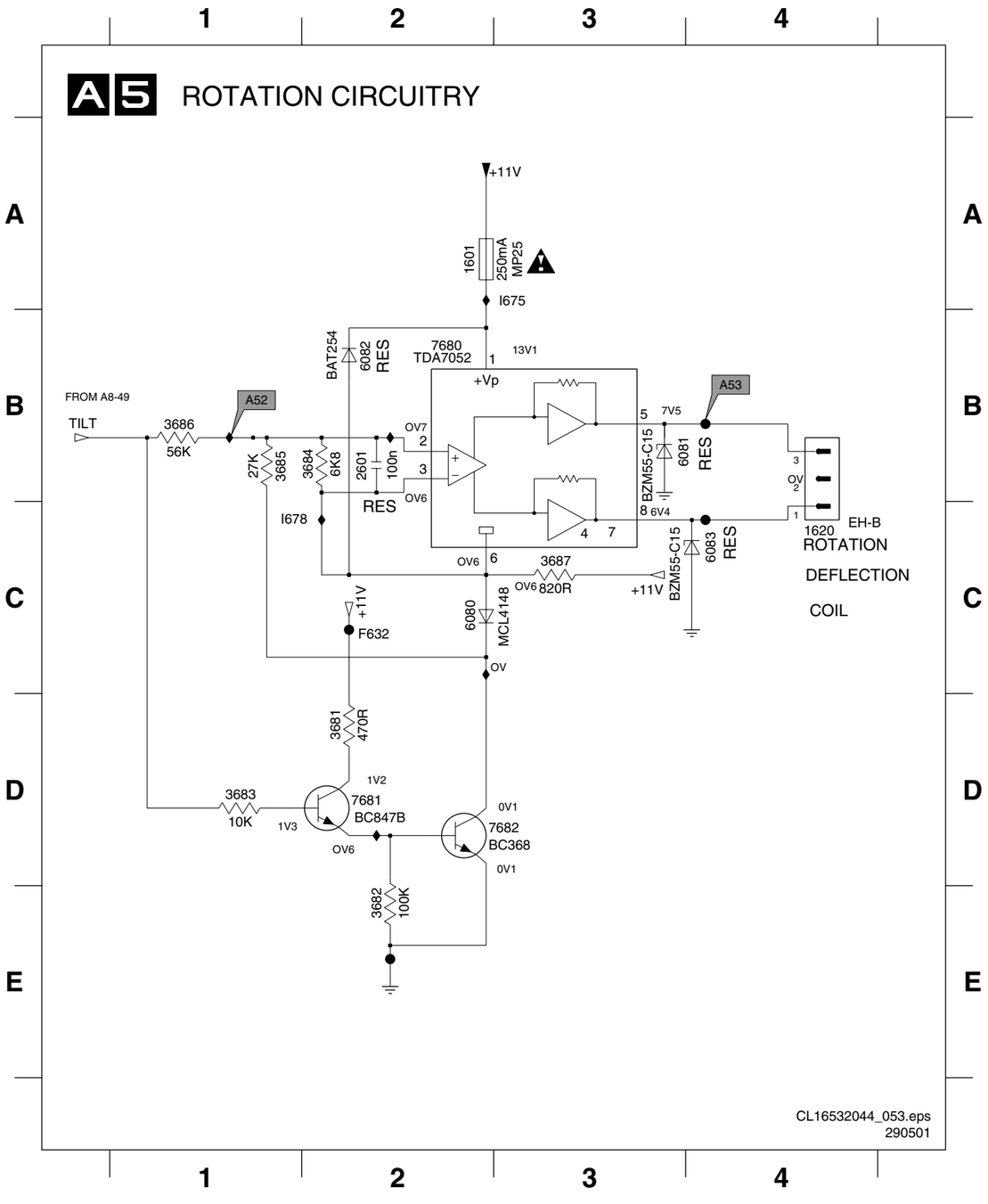
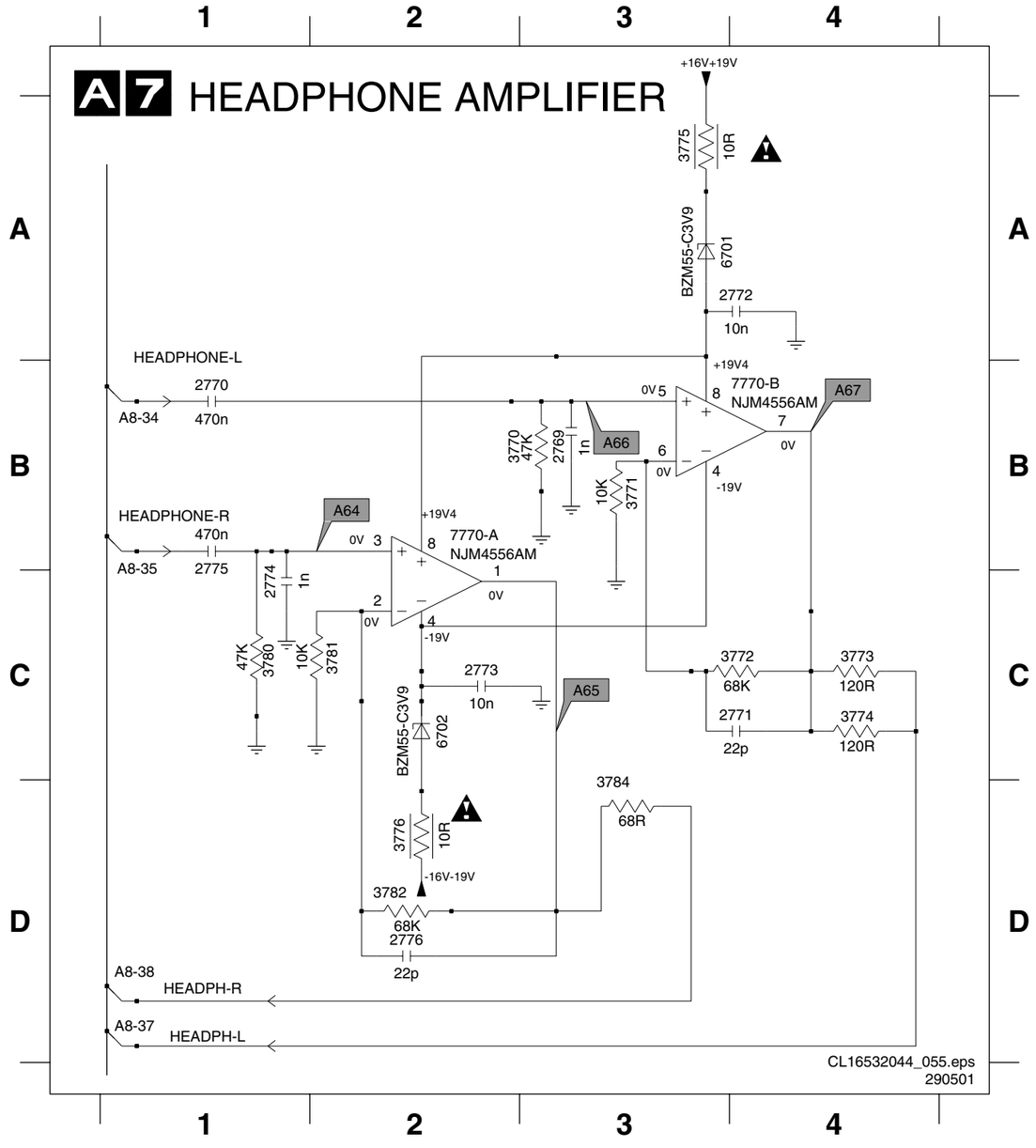
Large Signal Panel: Rotation Circuitry

1601 A2 3681 D2 3684 B2 3687 C3 6082 B2 7681 D2
1620 C4 3682 E2 3685 B1 6080 C2 6083 C4 7682 D2
2601 B2 3683 D1 3686 B1 6081 B3 7680 B2

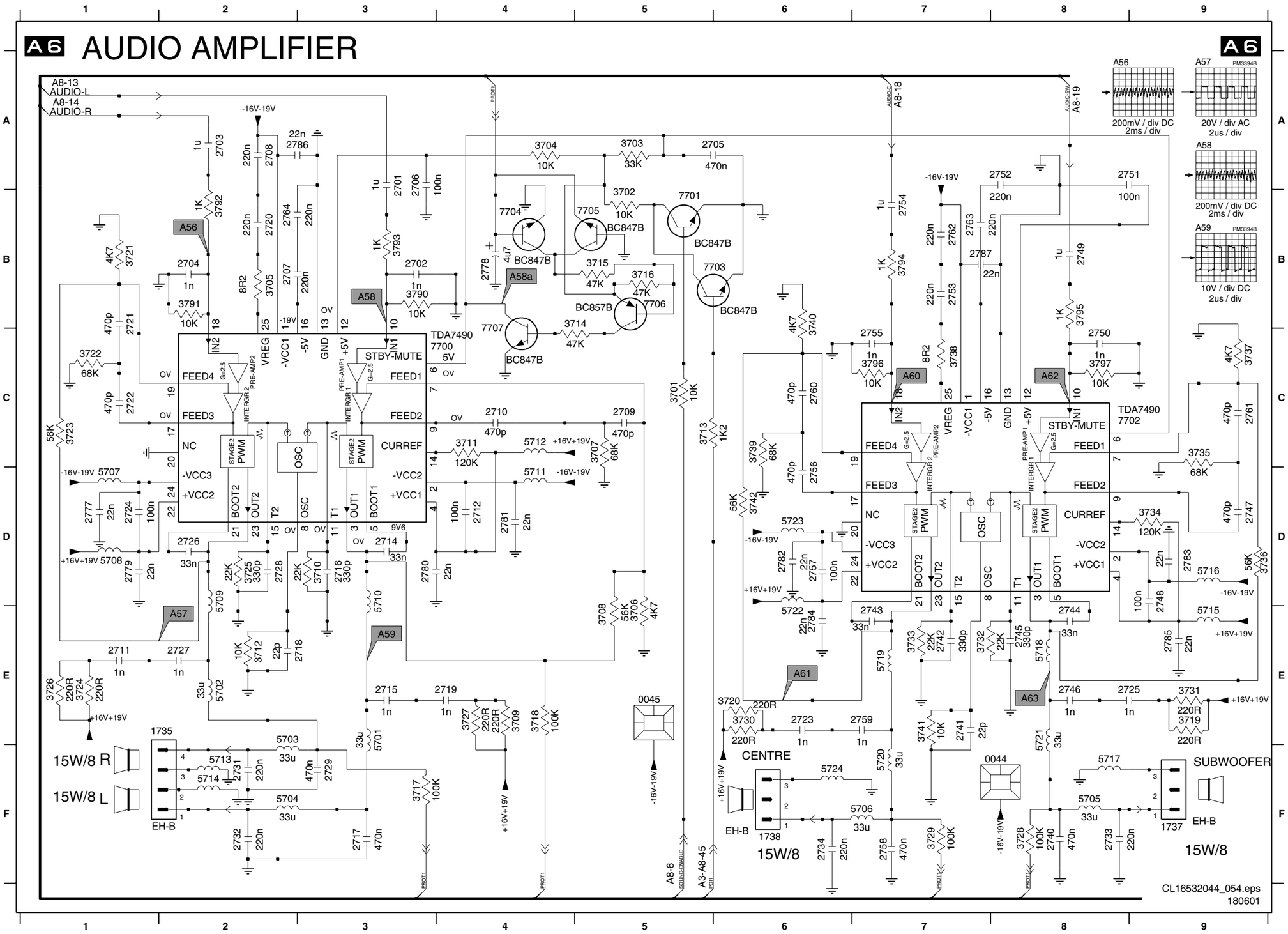


Large Signal Panel: Headphone Amplifier

2769 B3 2774 C1 3772 C4 3780 C1 6702 C2
2770 B1 2775 B1 3773 C4 3781 C2 7770-A B2
2771 C4 2776 D2 3774 C4 3782 D2 7770-B B4
2772 A4 3770 B2 3775 A3 3784 D3
2773 C2 3771 B3 3776 D2 6701 A3



Large Signal Panel: Audio Amplifier



0044 F7	2764 B2	3797 C8	
0045 E5	2777 D1	5701 E3	
1735 E2	2778 B4	5702 E2	
1737 F9	2779 D1	5703 E2	
1738 F6	2780 D3	5704 F2	
2701 A3	2781 D4	5705 F8	
2702 B3	2782 D6	5706 F7	
2703 A2	2783 D9	5707 D1	
2704 B2	2784 E6	5708 D1	
2705 A5	2785 E9	5709 D2	
2706 A3	2786 A2	5710 D3	
2707 B2	2787 B7	5711 D4	
2708 A2	3701 C5	5712 C4	
2709 C5	3702 A5	5713 F2	
2710 C4	3703 A5	5714 F2	
2711 E1	3704 A4	5715 E9	
2712 D4	3705 B2	5716 D9	
2714 D3	3706 E5	5717 F8	
2715 E3	3707 C5	5718 E8	
2716 D3	3708 E5	5719 E7	
2717 F3	3709 E4	5720 F7	
2718 E2	3710 D3	5721 E8	
2719 E4	3711 C4	5722 E6	
2720 B2	3712 E2	5723 D6	
2721 B1	3713 C5	5724 F6	
2722 C1	3714 B5	7700 C3	
2723 E6	3715 B5	7701 B5	
2724 D1	3716 B5	7702 C8	
2725 E8	3717 F3	7703 B5	
2726 D2	3718 E4	7704 B4	
2727 E2	3719 E9	7705 B5	
2728 D2	3720 E6	7706 B5	
2729 F3	3721 B1	7707 C4	
2731 F2	3722 C1		
2732 F2	3723 C1		
2733 F8	3724 E1		
2734 F6	3725 D2		
2740 F8	3726 E1		
2741 E7	3727 E4		
2742 E7	3728 F8		
2743 E7	3729 F7		
2744 E8	3730 E6		
2745 E8	3731 E9		
2746 E8	3732 E7		
2747 D9	3733 E7		
2748 D9	3734 D9		
2749 B8	3735 C9		
2750 C8	3736 D9		
2751 A8	3737 C9		
2752 A8	3738 C7		
2753 B7	3739 C6		
2754 B7	3740 B6		
2755 C7	3741 E7		
2756 D6	3742 D6		
2757 D6	3790 B3		
2758 F7	3791 B2		
2759 E7	3792 B2		
2760 C6	3793 B3		
2761 C9	3794 B7		
2762 B7	3795 B8		
2763 B7	3796 C7		

Large Signal Panel: Tuner SIM Connector (Female)

A8 TUNER SIM CONNECTOR (FEMALE)

A68 PM3394B 200mV / div DC 5us / div
A69 PM3394B 2V / div DC 50us / div
A70 PM3394B 2V / div DC 50us / div

TUNER * TEDE9 1200
AERIAL INPUT
IF1 MB2 MB1 TU2 SDA SCL AS AGC
NC 2 GND
A68 A69 A70

7910 LD1086 +5V +3V3 1960 PH-B NC
2940 100u
3948 100R
7911 L78L05 +8V +5VT 5901 10u
2200 10u
7901 BC847B 8V1 7V1 2V7 +8VS 3928 100R CVBS-TER-OUT
3930 560R 3929 10K
TER-CVBS-OUT A11-60
3947 6R8 3941 6R8 +8VS2 +8VS
2915 10u 2914 10u
9906 FM 1997 EH-S FROM EXTERNAL FM
3261 100R 3262 100R 1943 EH-S
1955 EH-B RESERVED NC
3201 100R 3200 100R 5V
2201 220n 2202 220n 6200 BZM55-C33 100u 2203
1201 N.C.
6201 6202 3950 22K
4200 A2-47 VTUN
SDA-S SCL-S

TO EXTERNAL SERVICE

1934 EH-B RESERVED NC
R-SC1_V-IN G-SC1-IN_Y-IN B-SC1-IN_U-IN FBL-SC1-IN
4936 4914 4913 4915
1933 EH-B RESERVED NC
A11-53 SC1-R_V-IN
A11-52 SC1-G-IN_Y-IN
A11-51 SC1-B-IN_U-IN
SC1-FBL-IN
A11-54
1965 EH-B RESERVED NC

1936 EH-B
Y_CVBS-FRONT-IN
C-FRONT-IN
L-FRONT-IN
FRONT-DETECT
R-FRONT-IN
GND-AUD
HEADPH-L A7-37
HEADPH-R A7-38
TO 1936 OF O

1940 EH-B
HFB_X-RAY-PROT
EHT-INFO
R-CRT
G-CRT
B-CRT
CUTOFF
TO 1940 F CRT

1961 PH-B RESERVED NC
AUDIO-SL
R-CL_VL-OUT
L-CL_VL-OUT

1953 EH-B RESERVED NC
C-FRONT-IN
Y_CVBS-FRONT-IN

1952 EH-B RESERVED NC
PIP-MONO 4955
PIP-CVBS
TER-CVBS-OUT 4956

1935 EH-B RESERVED NC
CVBS-SC1_AV1-IN
C-SC2_SVHS-IN A11-70
Y_CVBS-SC2_AV2-IN A11-71

1932 RESERVED NC
PANORAMA 4959

1966 PH-B NC

1951 EH-B RESERVED NC
SDA-S SCL-S +5V +8V

1937 EH-B NC
SDA-S SCL-S
VTUN 9907
SC1-STATUS 4958
HFB_X-RAY-PROT 4908
+5.2V 9904
+5V 4906
+8V 4907
+11V 9901
VTUN 9902
AUDIO-SL 9903

1948 PH-B NC
HA VA

+8VS2 3943 10K
C-FRONT-IN 2929 220n
3942 100R 7908 BC847B 2944 220n A11-66 SC2-C-OUT
3945 2K7 3946 560R
CVBS-SC2_MON-OUT 3938 100R 7902 BC847B A11-68 SC2-CVBS_MON -OUT
3939 10K 3940 560R

SCL-S SDA-S

GND c001
GND-LINEDRIVE c002
* components with diversity
GND-SSP c004
GND-RGB-CRT
TO 1000 B 1 SIM CONN MALE

1205
B-SC1-IN_U-IN G-SC1-IN_Y-IN R-SC1_V-IN FBL-SC1-IN GND-RGB-SC1_Y/UV Y_CVBS-SC2_AV2-IN C-SC2_SVHS-IN GND-CVBS-IN CVBS-SC2_MON-OUT A11-59 CVBS-SC1_AV1-IN CVBS-TER-OUT GND-CVBS-OUT IF-TER GND-CVBS-OUT AGC CVBS-PIP_TUN1-2-CVBS-IN GND-PIP PIP-CVBS A8-61 SC1-STATUS SEL-SVHS-RR_STATUS2 P50 CUTOFF GND-RGB-CRT B-CRT G-CRT R-CRT LINEDRIVE1 GND-LINEDRIVE FRAMEDRIVE+ FRAMEDRIVE- GND EW-DRIVE HFB_X-RAY-PROT EHT-INFO 4V DYN-FASE-COR 2455 1n TILT 2947 4u7 STANDBY A10-31 LIGHT-SENSOR IRQ-DIGITAL PIP-MONO 2941 100n Y-SCAVEM 2942 100n 2943 100n +5.2V +8V +5V +3V3 SDA-S SCL-S POR SOUND-ENABLE L-SC1_AV1-IN L-SC2_AV2-IN L-SC2-OUT GND-SCART-AV L-SC1_AV-OUT GND-SCART-AV R-SC2_AV2-IN R-SC2-OUT R-SC1_AV1-IN R-SC1_AV-OUT FRONT-DETECT Y_CVBS-FRONT-IN C-FRONT-IN L-FRONT-IN R-FRONT-IN HEADPHONE-L HEADPHONE-R L-CL_VL-OUT R-CL_VL-OUT GND-AUD AUDIO-SL AUDIO-C AUDIO-SW AUDIO-L AUDIO-R 2945 4910 2946 2u2 ON-OFF-LED RC KEYBOARD DEGAUSSING
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
A1 ÷ A11

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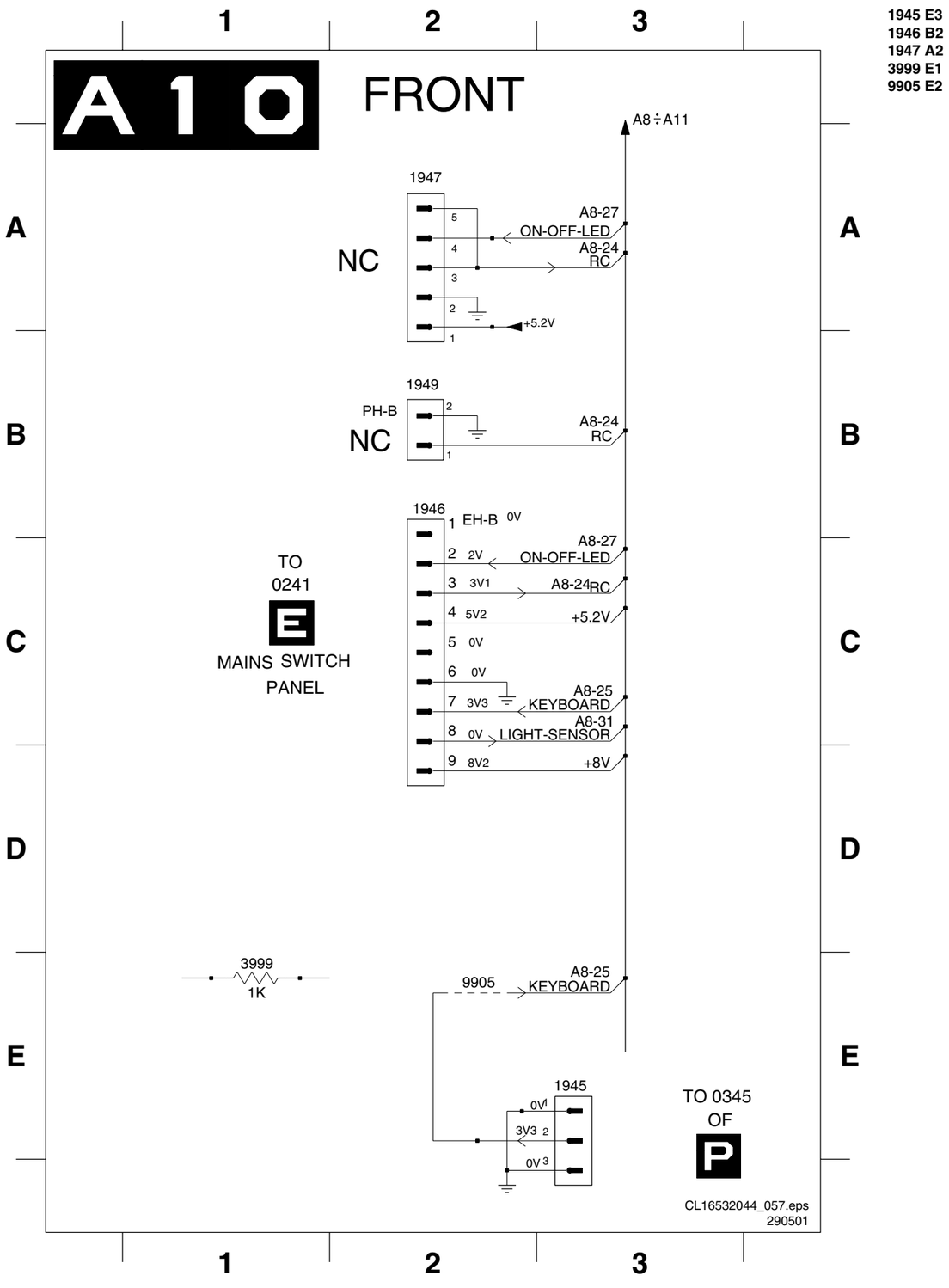
060601

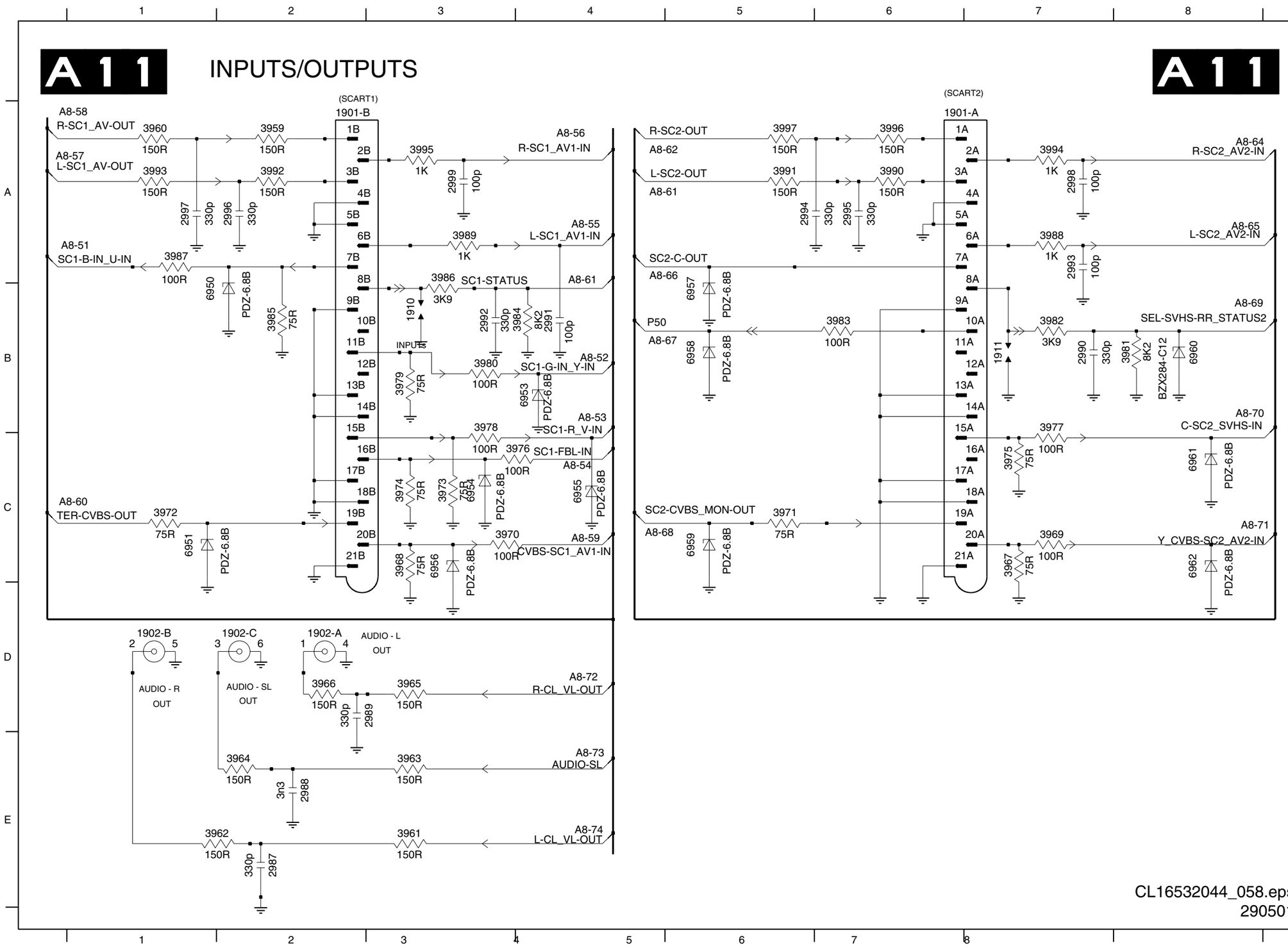
1200 F2 1201 G1 1205 I2 1932 F9 1933 B7 1934 A7 1935 E9 1936 D7 1937 A13 1940 F7 1943 E5 1948 C13 1951 A13 1952 E9 1953 D9 1955 F5 1960 B3 1961 C9 1965 D7 1966 G9 1997 E3 2200 C2 2201 F1 2202 G2 2203 G3 2455 I7 2914 E2 2915 E1 2929 E11 2940 B3 2941 I8 2942 I8 2943 I8 2944 E12 2945 H13 2946 I13 2947 I7 3200 F3 3201 F3 3261 E4 3262 F4 3928 C4 3929 D4 3930 D3 3938 F10 3939 G11 3940 G11 3941 D2 3942 E11 3943 D11 3945 E11 3946 E11 3947 D1 3948 C1 3950 H3 4200 G2 4906 B12 4907 C12 4908 B11 4910 I13 4913 B6 4914 B6 4915 B6 4936 B5 4955 D8 4956 E8 4958 B11 4959 F8 5901 C2 6200 G2 6201 G3 6202 G3 7901 C3 7902 F11 7908 E12 7910 B2 7911 C1 9901 C12 9902 C12 9903 C12 9904 B12 9906 E3 9907 B11

Large Signal Panel: Front



Personal Notes:

Large Signal Panel: Inputs / Outputs



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1902-B D1
1902-C D2
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1911 B7
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2989 D2
2990 B7
2991 B4
2992 B3
2993 A7
2994 A5
2995 A6
2996 A2
2997 A1
2998 A7
2999 A3
3959 A2
3960 A1
3961 E3
3962 E2
3963 E3
3964 E2
3965 D3
3966 D2
3967 C7
3968 C3
3969 C7
3970 C3
3971 C5
3972 C1
3973 C3
3974 C3
3975 C7
3976 C4
3977 B7
3978 B3
3979 B3
3980 B3
3981 B8
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3983 B6
3984 B4
3985 B2
3986 A3
3987 A1
3988 A7
3989 A3
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3992 A2
3993 A1
3994 A7
3995 A3
3996 A6
3997 A5
6950 B1
6951 C1
6953 B4
6954 C3
6955 C4
6956 C3
6957 B5
6958 B5
6959 C5
6960 B8
6961 C8
6962 C8

Layout LSP (Component Side)

0042 C8 1492 A10 1625 C10 1936 F7 1953 E7 2108 C2 2140 G3 2420 C8 2435 C8 2487 A7 2508 C5 2523 D4 2630 D10 3105 D2 3118 C2 3401 A7 3431 B7 3469 A10 3502 D6 3516 C3 3620 C10 3645 A7 3947 E9 3987 E10 5112 F2 5426 C8 5507 F4 5703 F6 5721 E6 6120 F2 6423 C7 9656 A10
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6535 G4 9714 E6
6536 G4 9715 D6
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6620 C10 9717 E7
6621 C10 9718 E6
6622 C10 9901 G7
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7100 D1 9903 G8
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7104 E2 9907 G7
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7440 D9 9914 E8
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7504 D4 9919 E9
7506 E4 9920 E9
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7911 G9 9931 F9
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9102 G3 9933 F10
9109 C2 9934 F9
9110 G3 9935 G9
9111 F2 9936 G9
9112 F3 9937 G8
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9116 G1 9939 F8
9118 F2 9940 G9
9119 G2 9941 G8
9121 G3 9942 F7
9122 F2 9943 G8
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9401 B7 9945 G8
9402 B5 9946 G9
9403 C5 9947 G8
9404 C5 9948 F8
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9407 E9 9950 G1
9408 C10 9951 G1
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9410 A9 9953 G6
9411 A10 9954 F8
9412 E8 9955 G6
9413 E9 9956 G6
9414 E9 9957 B1
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9425 C6 9959 F9
9426 C8 9960 F7
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9502 A2 9962 F7
9503 A4 9963 G10
9504 A4 9964 G4
9510 D4 9965 G4
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9512 B4 9967 G6
9513 B4 9968 F8
9516 A4 9969 F9
9517 E4 9970 F6
9518 C3 9971 G10
9519 B4 9972 G10
9551 C4 9973 F7
9552 F4 9974 G6
9554 C4 9975 G4
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9557 E4 9977 E9
9558 E3 9999 F10
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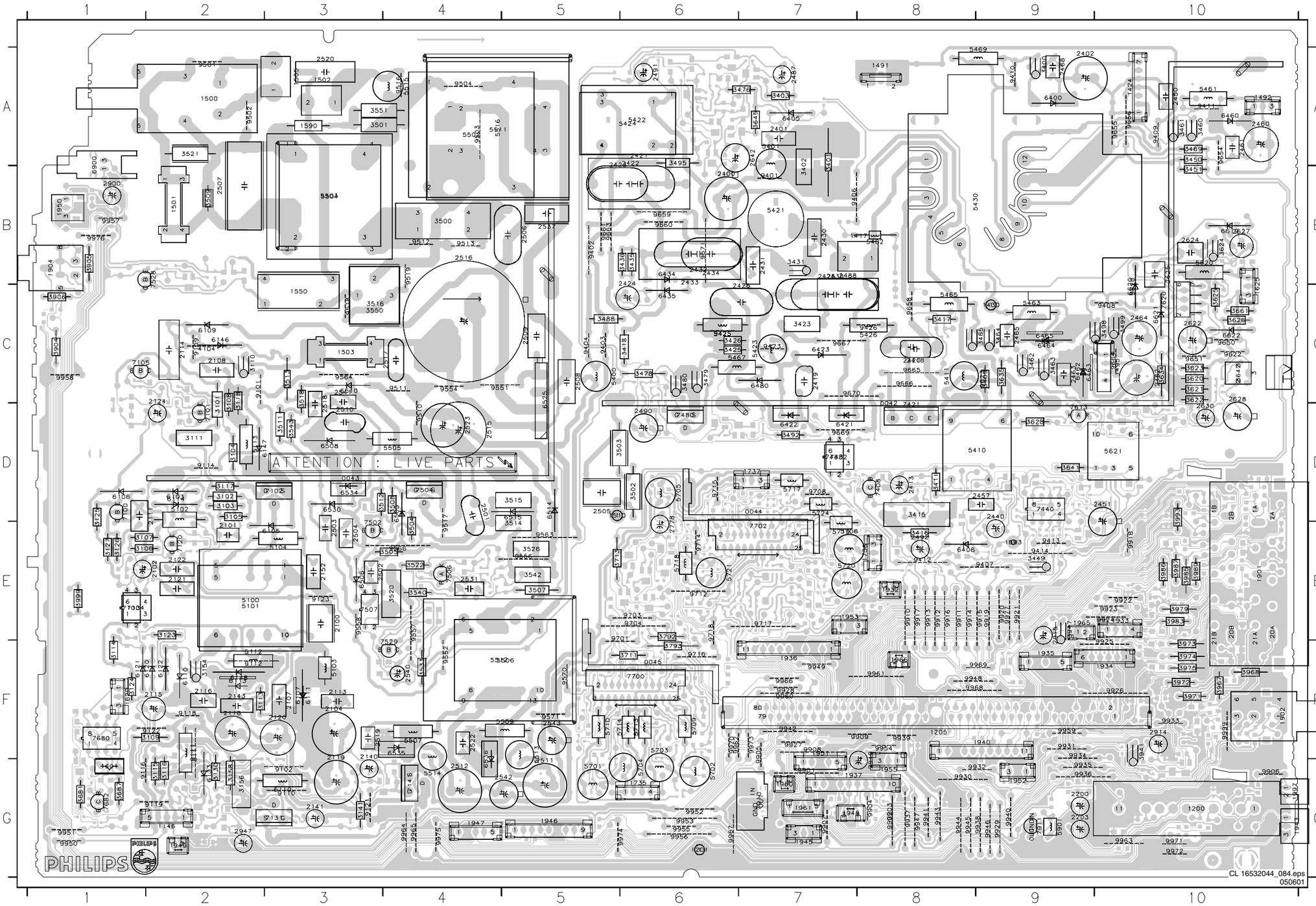
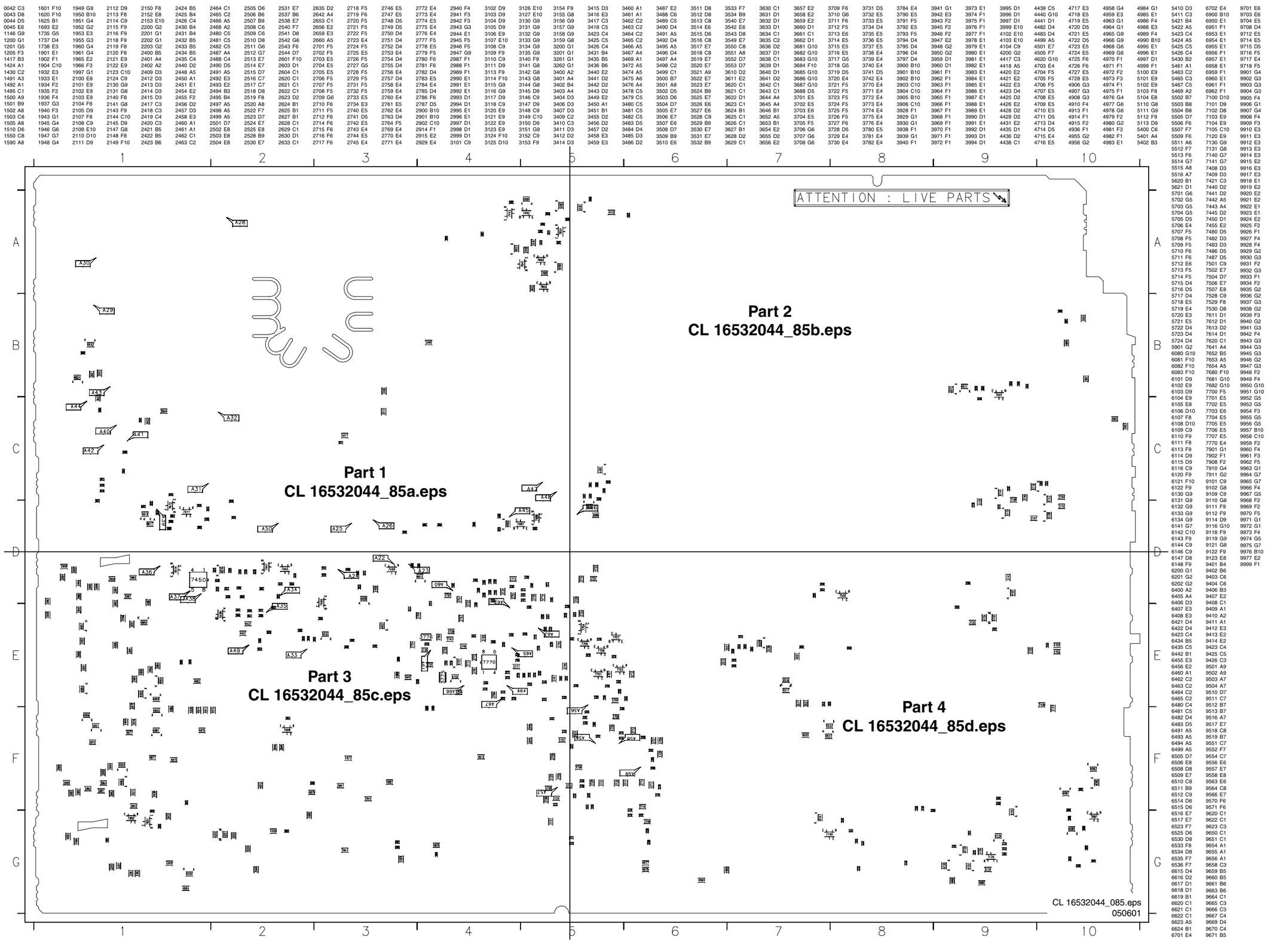
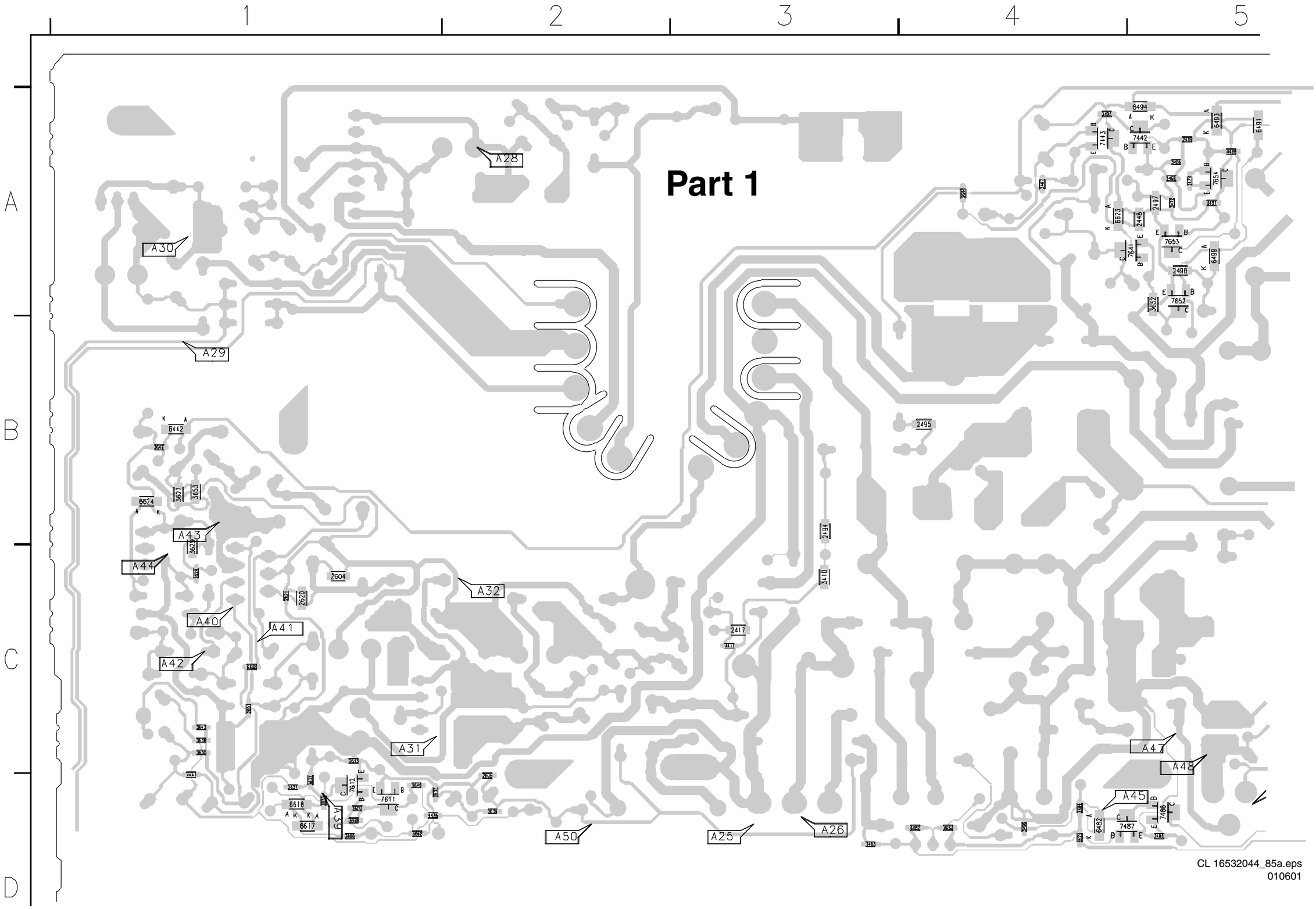


Layout LSP (Bottom Side Overview)



Layout LSP (Bottom Side Part 1)



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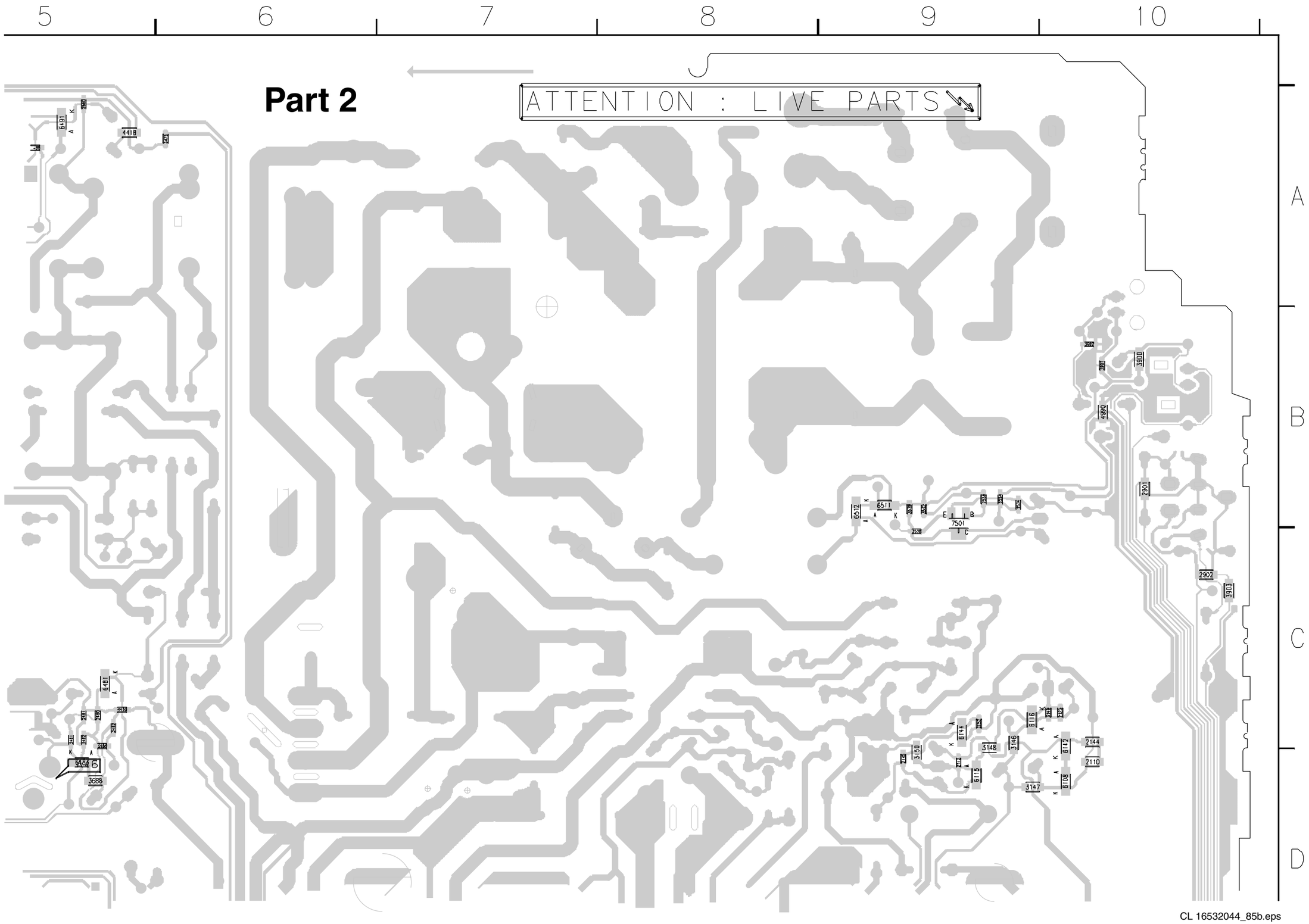
010601

Layout LSP (Bottom Side Part 2)



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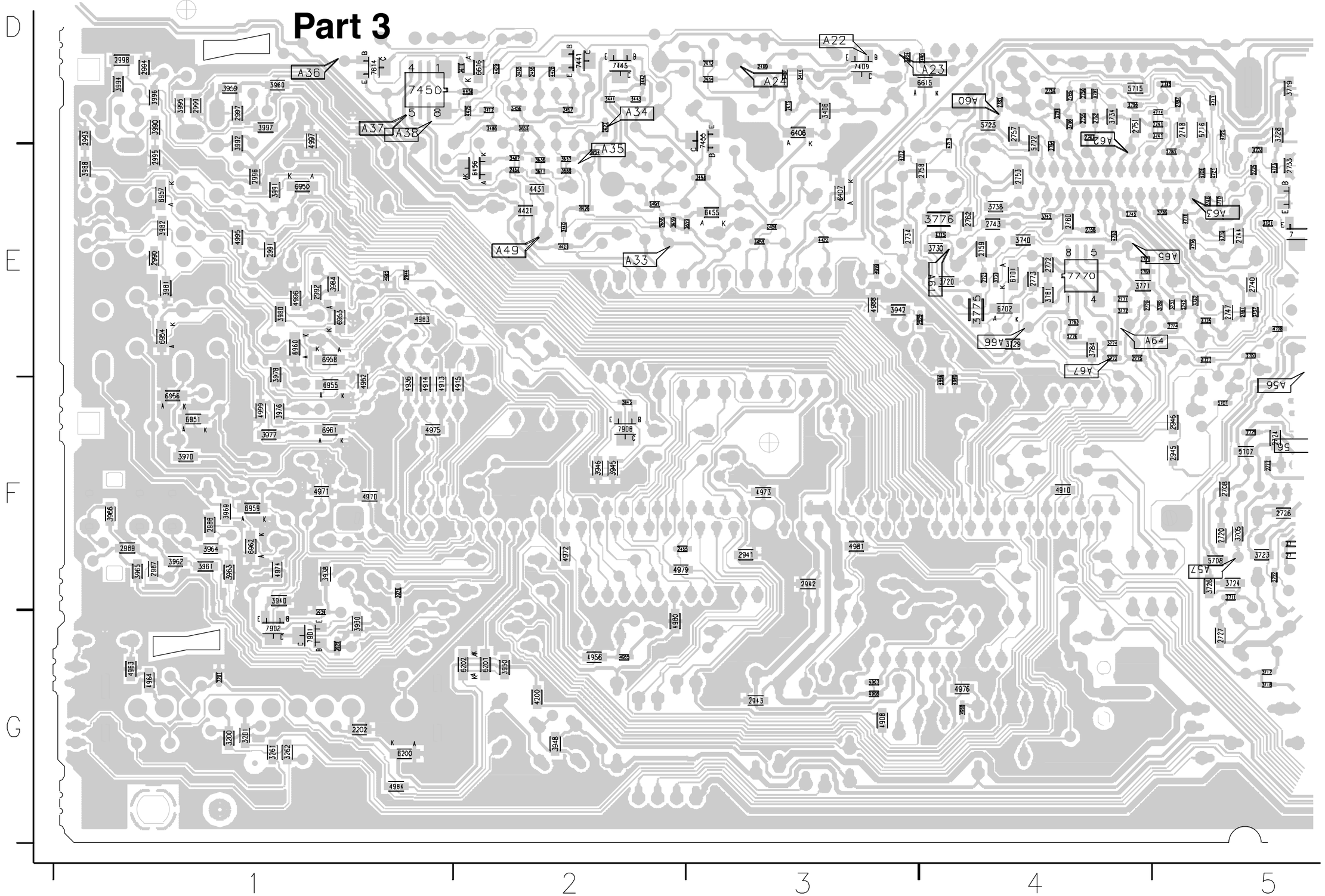
010601

Layout LSP (Bottom Side Part 3)



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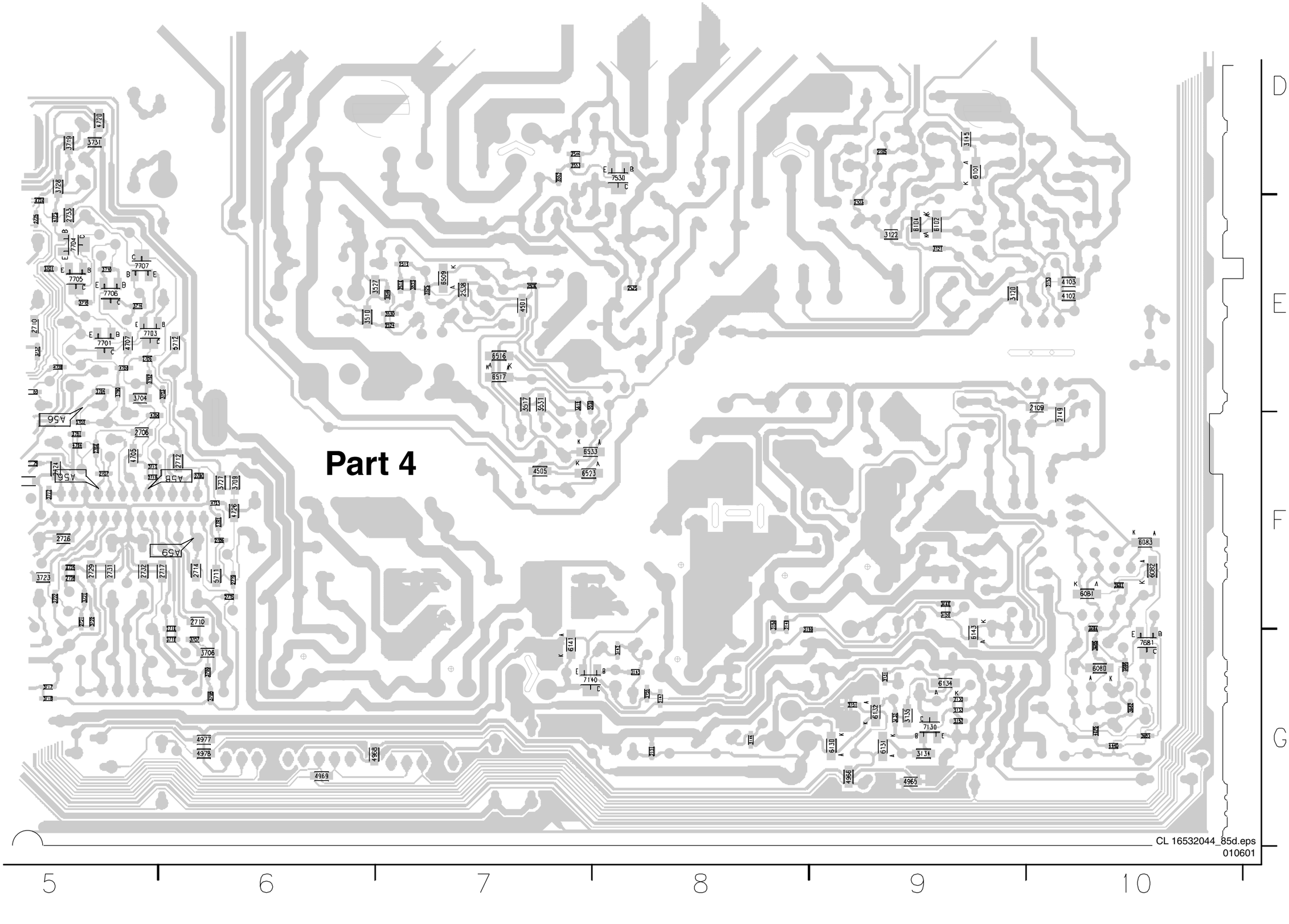
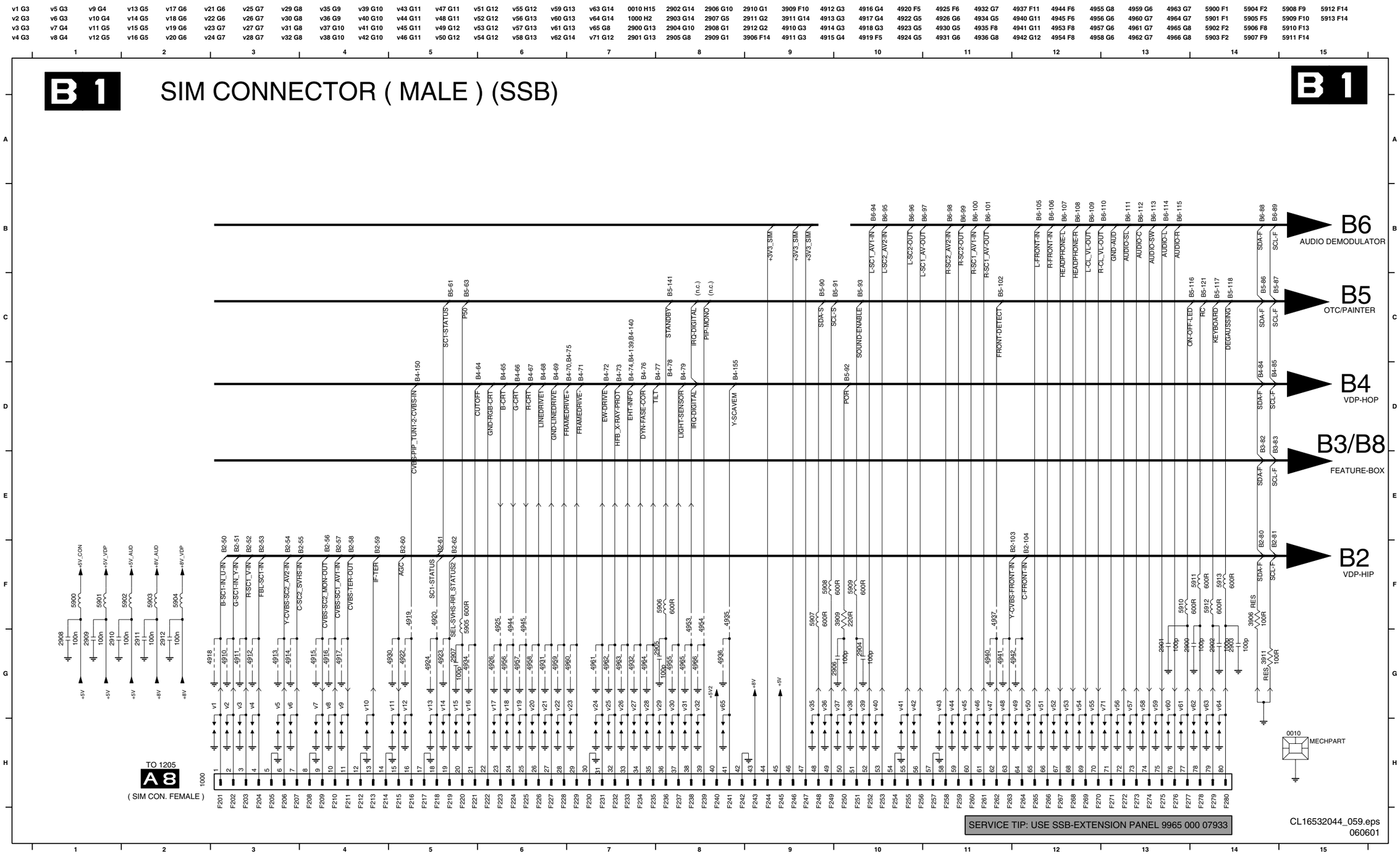
Layout LSP (Bottom Side Part 4)



Small Signal Board: Sim Connector (Male)



Small Signal Board: IF, I/O Videoprocessing

B2 IF,I/O VIDEOPROCESSING

B2

HIP

7323 TDA9320H

IF DEM

I/O SWITCH

LUMA & CHROMA PROC.

7307 TDA9181

SAW-FILTER VIDEO

SAW-FILTER AUDIO

DEMODULATOR COIL 7411

COIL 40.4 SUPPRESSION

B1 ▸ B6

20mV / div AC 10us / div

1V / div DC 10us / div

500mV / div DC 20us / div

2V / div DC 200us / div

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180601

1303 C13
1305 E11
1308 E12
1403 A1
1407 E6
1408-A C3
1408-B C3
1409-A F3
1409-B G3
2302 H14
2350 C11
2351 C11
2352 C11
2353 I12
2354 G12
2356 E11
2357 F11
2358 E11
2359 F11
2360 F11
2361 F12
2362 F12
2365 F8
2366 F8
2367 F8
2368 F8
2369 F8
2370 F8
2371 B11
2372 B11
2373 B8
2374 B8
2375 B8
2376 B7
2377 B6
2378 B7
2384 F7
2385 G13
2390 B1
2391 B3
2406 C2
2407 C2
2408 D2
2409 C7
2410 C7
2411 C6
2412 C1
2413 D5
2417 E6
2418 D6
2420 G8
2421 F14
2422 E13
2423 F14
2424 G10
2425 B1
2426 C14
2427 C14
2428 D14
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3303 H10
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3372 G9
3376 B10
3377 A10
3378 B11
3382 F7
3384 B5
3385 F7
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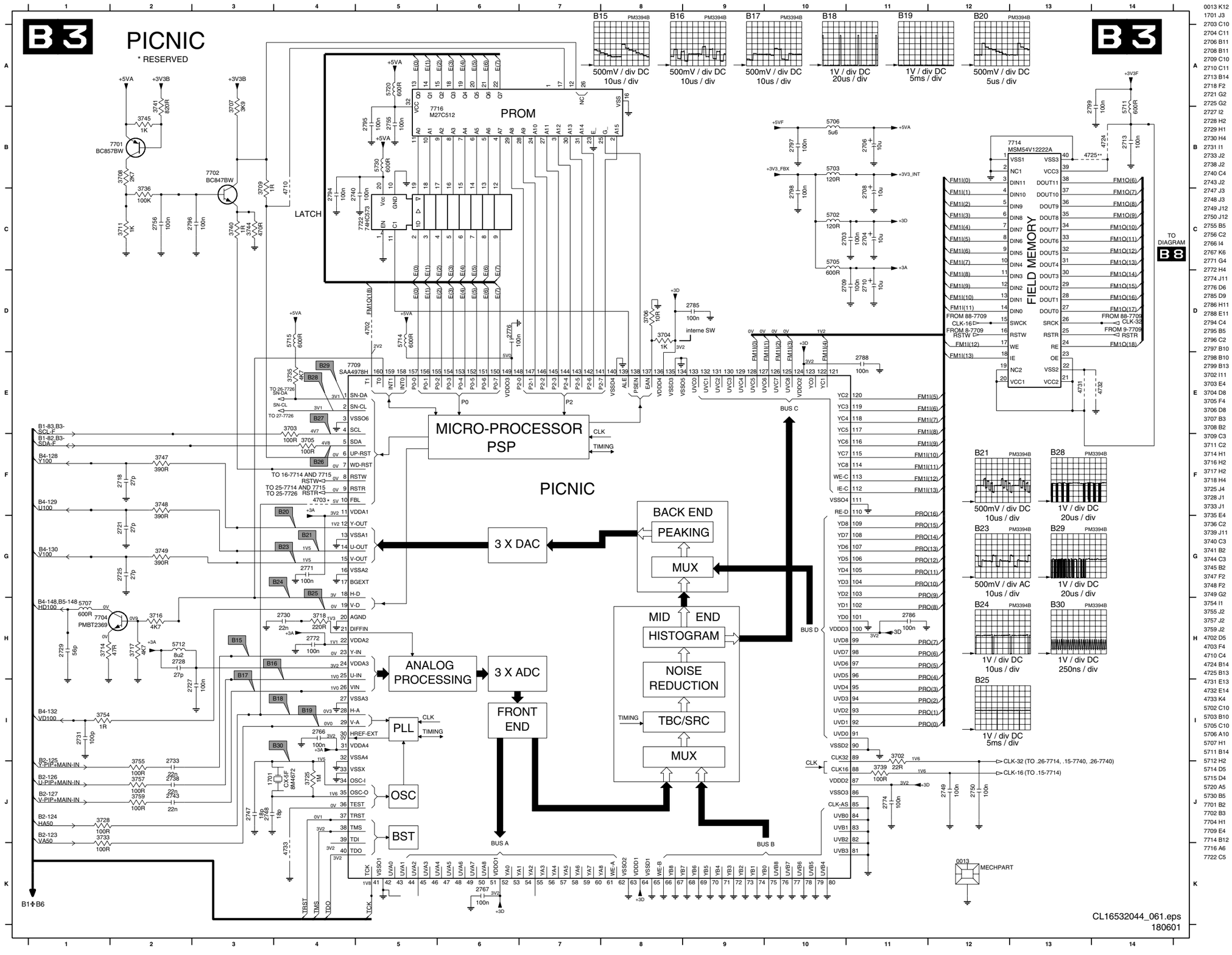

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2725 G2
2727 I2
2728 H2
2729 H1
2730 H4
2731 I1
2733 J2
2738 J2
2740 C4
2743 J2
2747 J3
2748 J3
2749 J12
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2755 B5
2756 C2
2766 I4
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2771 G4
2772 H4
2774 J11
2776 D6
2785 D9
2786 H11
2788 E11
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2795 B5
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2798 B10
2799 B13
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3703 E4
3704 D8
3705 F4
3706 D8
3707 B3
3708 B2
3709 C3
3711 C2
3714 H1
3716 H2
3717 H2
3718 H4
3725 J4
3728 J1
3733 J1
3735 E4
3736 C2
3739 J11
3740 C3
3741 B2
3744 C3
3745 B2
3747 F2
3748 F2
3749 G2
3754 I1
3755 J2
3757 J2
3759 J2
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4724 B14
4725 B13
4731 E13
4732 E14
4733 K4
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5703 B10
5705 C10
5706 A10
5711 B14
5712 H2
5714 D5
5715 D4
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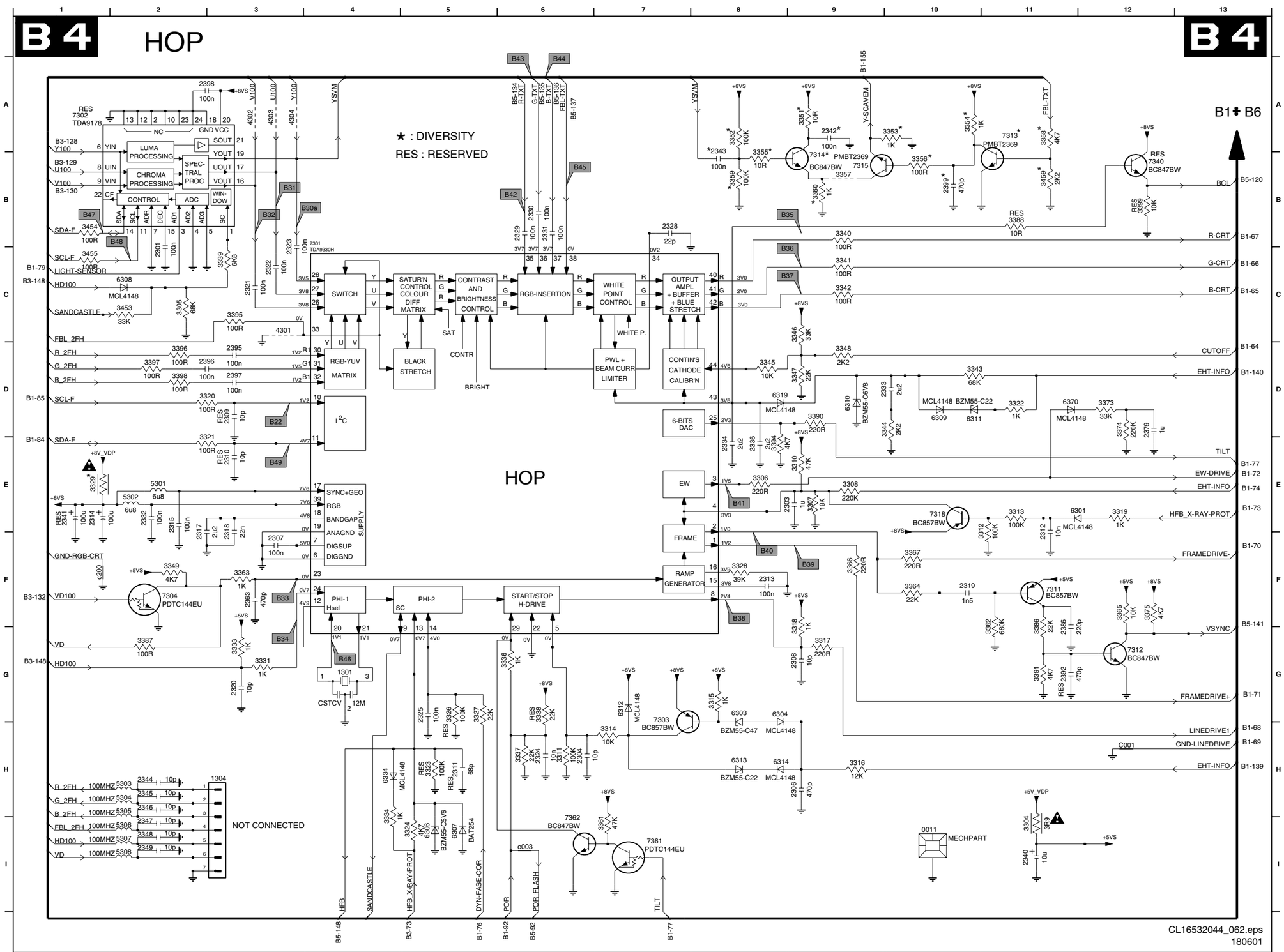
7709 E4
7714 B12
7716 A6
7722 C5

Small Signal Board: HOP



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2306 H9	3357 B9
2307 F3	3358 A11
2308 G9	3359 B8
2309 D3	3360 B9
2310 E3	3361 I7
2311 H5	3362 F11
2312 E11	3363 F3
2313 F8	3364 F10
2314 E1	3365 F12
2315 E2	3366 F9
2317 E2	3367 F10
2318 E3	3370 D12
2319 F10	3371 D12
2320 G3	3386 F11
2321 C3	3387 G2
2322 C3	3388 B11
2323 B3	3390 D9
2324 H6	3391 G11
2325 G5	3394 E8
2328 B7	3395 C3
2329 B6	3396 D2
2330 B6	3397 D2
2331 B6	3398 D2
2332 E2	3399 B12
2333 D10	3453 C2
2334 E8	3454 B1
2336 E8	3455 C1
2340 I11	3459 B11
2341 E1	4301 C3
2342 A9	4302 A3
2343 B8	4303 A3
2344 H2	4304 A3
2345 H2	5301 E2
2346 H2	5302 E2
2347 I2	5303 H2
2348 I2	5304 H2
2349 I2	5305 H2
2363 F3	5306 I2
2371 D12	5307 I2
2386 F11	5308 I2
2392 G11	6301 E12
2395 D3	6303 G8
2396 D2	6304 G8
2397 D3	6306 I5
2398 A2	6307 I5
2399 B10	6308 C2
3304 I11	6309 D10
3305 C2	6310 D9
3306 E8	6311 D10
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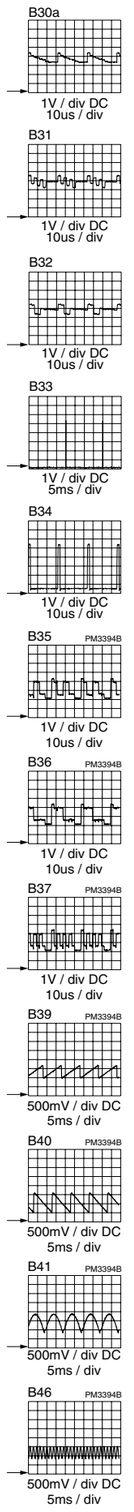
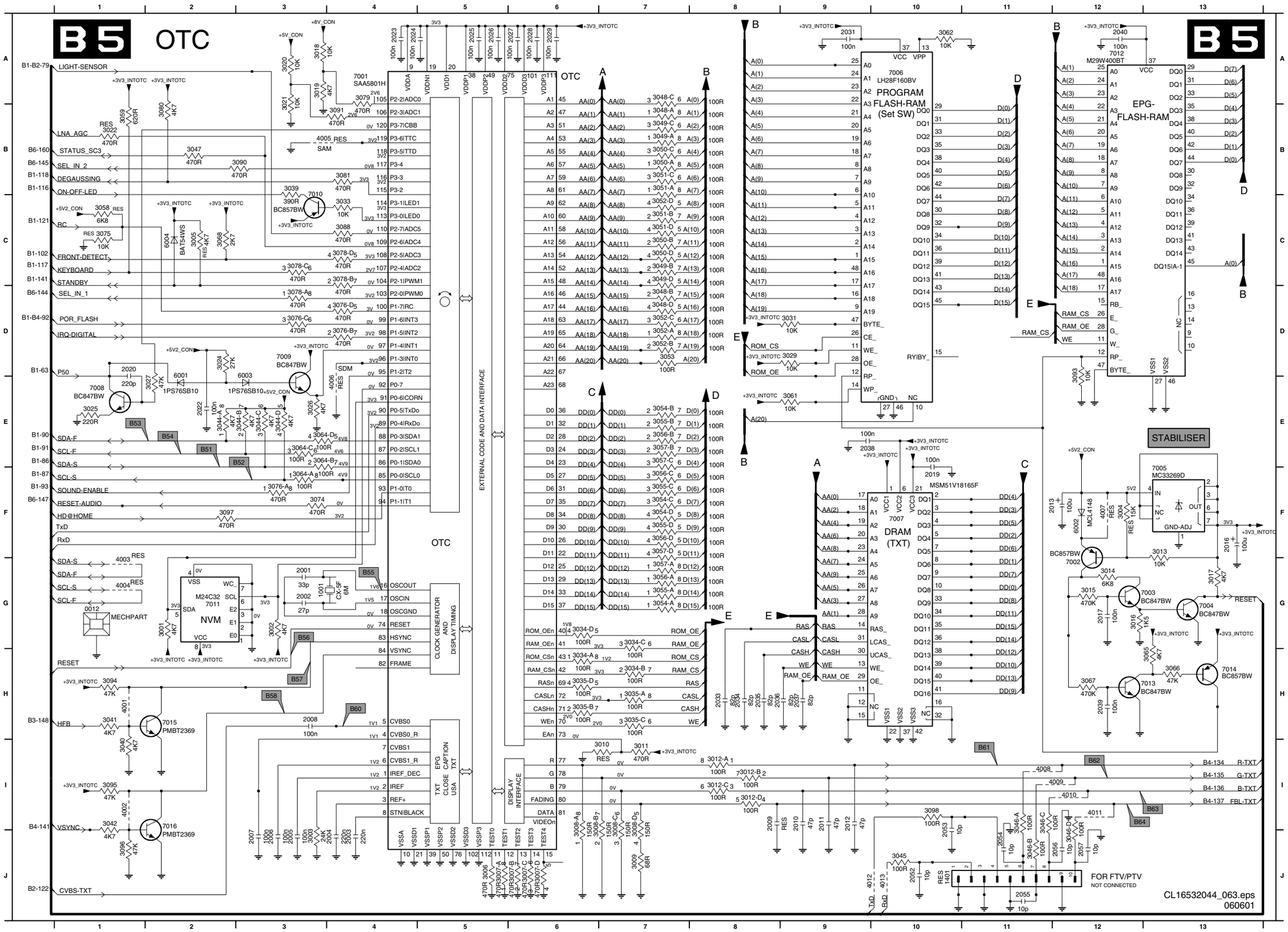
3310 E9	6314 H8
3311 H6	6319 D8
3312 E11	6334 H4
3313 E11	6370 D11
3314 H7	7301 B4
3315 G8	7302 A1
3316 H9	7303 G7
3317 G9	7304 F2
3318 F9	7311 F11
3319 E12	7312 G12
3320 D3	7313 A11
3321 E3	7314 B9
3322 D11	7315 B9
3323 H5	7318 E10
3324 I5	7340 B12
3326 G5	7361 I7
3327 G5	7362 I6
3328 F8	C001 H12
3329 E1	c003 I6
3331 G3	c200 F1
3333 G3	
3334 H4	
3336 G6	
3337 H6	
3338 G6	
3339 C3	
3340 B9	
3341 C9	
3342 C9	
3343 D10	
3344 D10	
3345 D8	
3346 C9	
3347 D9	
3348 D9	
3349 F2	



Small Signal Board: OTC



0012 G1	3044-B E3	6002 F12
1001 G3	3044-C E3	6003 E3
1401 J10	3044-D E3	6004 C2
2001 G3	3045 J10	7001 A4
2002 G3	3046-A I11	7002 G12
2003 J4	3046-B J11	7003 G12
2004 J4	3046-C I11	7004 G13
2005 J3	3046-D J12	7005 F13
2006 J3	3047 B2	7006 A10
2007 J3	3048-A B7	7007 F10
2008 H3	3048-B D7	7008 E1
2009 I8	3048-C A7	7009 D3
2010 I9	3048-D D7	7010 C3
2011 I9	3049-A B7	7011 G2
2012 I9	3049-B C7	7012 A12
2013 F12	3049-C B7	7013 H12
2016 F13	3049-D C7	7014 H13
2017 G12	3050-A B7	7015 H2
2019 F10	3050-B C7	7016 I2
2020 D1	3050-C B7	
2022 E2	3050-D C7	
2023 A4	3051-A B7	
2024 A4	3051-B C7	
2025 A5	3051-C B7	
2026 A5	3051-D C7	
2027 A6	3052-A D7	
2028 A6	3052-B D7	
2029 A6	3052-C D7	
2031 A9	3052-D C7	
2033 H8	3053 D7	
2034 H8	3054-A G7	
2035 H8	3054-B E7	
2036 H8	3054-C F7	
2037 H9	3054-D F7	
2038 E9	3055-A G7	
2039 H12	3055-B E7	
2040 A12	3055-C F7	
2052 J10	3055-D F7	
2053 I10	3056-A G7	
2054 J11	3056-B E7	
2055 J11	3056-C F7	
2056 J12	3056-D F7	
2057 J12	3057-A G7	
3001 G2	3057-B E7	
3002 G3	3057-C E7	
3003 J3	3057-D F7	
3004 F12	3058 C1	
3005 C2	3059 B1	
3006 J5	3061 E9	
3007-A J5	3062 A10	
3007-B J6	3064-A F3	
3007-C J6	3064-B E3	
3007-D J6	3064-C E3	
3008-A I6	3064-D E3	
3008-B I6	3065 H13	
3008-C I7	3066 H13	
3008-D I7	3067 H12	
3009 J7	3068 C2	
3010 I7	3074 F3	
3011 I7	3075 C1	
3012-A I8	3076-A F3	
3012-B I8	3076-B D4	
3012-C I8	3076-C D3	
3012-D I8	3076-D D4	
3013 F13	3078-A D3	
3014 G12	3078-B C4	
3015 G12	3078-C C3	
3016 G12	3078-D C4	
3017 G13	3079 A4	
3018 A3	3080 B2	
3019 A3	3081 B4	
3020 A3	3088 C4	
3021 A3	3090 B3	
3022 B1	3091 B4	
3024 D2	3093 D12	
3025 E1	3094 H1	
3026 E3	3095 I1	
3027 E2	3096 J1	
3029 D9	3097 F2	
3031 D9	3098 I10	
3033 C4	4001 H1	
3034-A H6	4002 I1	
3034-B H7	4003 G1	
3034-C G7	4004 G1	
3034-D G6	4005 B3	
3035-A H7	4006 E4	
3035-B H6	4007 F12	
3035-C H7	4008 I11	
3035-D H6	4009 I12	
3039 B3	4010 I12	
3040 I1	4011 I12	
3041 H1	4012 J10	
3042 I1	4013 J10	
3044-A E2	6001 E2	

B51 PM3394B
2V / div DC
100us / div

B52 PM3394B
2V / div DC
100us / div

B53 PM3394B
2V / div DC
5ms / div

B54 PM3394B
2V / div DC
5ms / div

B55 PM3394B
2V / div DC
250ns / div

B57 PM3394B
500mV / div AC
10us / div

B58 PM3394B
1V / div DC
5ms / div

B60 PM3394B
500mV / div DC
10us / div

Small Signal Board: Audio Demodulator

B6 AUDIO DEMODULATOR ⚠

ANTI-PLOP CIRCUIT

B76 PM3394B 1V / div DC 250ns / div

B74 PM3394B 2V / div DC 20ms / div

B75 PM3394B 2V / div DC 20ms / div

B65 PM3394B 500mV / div DC 2us / div

B66 PM3394B 50mV / div DC 50us / div

B67 PM3394B 50mV / div DC 50us / div

TO 1680 H I/O 3d SCART

TUNER SIM/CONNECTOR

DEMODULATOR NICAM DECODER

I2S INTERFACE

DSP

SCART Switching Facilities

AUDIO PLL

for MSP3410D only

for MSP3415D only

* COMPONENTS WITH DIVERSITY

ALL RESERVED

CL16532044_064.eps 120601

1651 H8	3545 B12	5668 D1	
1680 B2	3546 D11	5669 I9	
1681 C2	3547 C13	6650 A4	
1682 H8	3550 E3	6651 E3	
1683 I11	3551 D2	6652 C8	
2501 E4	3552 I4	6653 C7	
2502 H2	3553 I5	6654 B6	
2503 I2	3554 I5	6656 A7	
2504 G2	3555 J5	6657 A10	
2505 H2	3556 B14	6658 A10	
2506 E2	3557 C13	7651 D4	
2507 E2	3558 D14	7652 H12	
2508 C8	3559 E13	7653 D13	
2509 C12	3560 E1	7654-A H4	
2510 D13	3561 E13	7654-B I4	
2511 E13	3562 E1	7656-A B12	
2512 B9	3563 F13	7656-B B12	
2513 B10	3564 F1	7663-A B13	
2514 B8	3565 F12	7663-B B14	
2546 G13	3566 F12	7664-A C11	
2547 G13	3567 G1	7664-B C11	
2548 H13	3568 G14	7665-A E11	
2549 I13	3569 G14	7665-B E11	
2550 E3	3570 G1	7666-A C4	
2551 E2	3571 H1	7666-B B4	
2552 G2	3572 H1	7667 I5	
2553 H2	3573 H14	7668 A6	
2554 I2	3574 I1	7674 B6	
2555 I2	3575 I14	7675-A A8	
2556 I7	3576 C1	7675-B A9	
2557 I7	3577 B2	7677 C14	
2558 I8	3612 G13	7678-A E14	
2559 J7	3613 G13	7678-B E14	
2560 J7	3614 I14	7680 G13	
2561 J8	3615 I14	C100 J3	
2562 E1	3616 G14		
2563 F1	3624 B5		
2564 F1	3625 B5		
2565 G1	3626 I4		
2566 G1	3627 H4		
2567 H1	3628 I5		
2568 I1	3630 C5		
2569 I1	3634 C5		
2570 C1	3636 D11		
2571 C2	3637 C11		
2572 C14	3639 C4		
2573 C13	3642 E9		
2574 D14	3643 E9		
2575 E13	3644 C7		
2576 F13	3650 A4		
2577 F14	3651 F2		
2578 F14	3652 G2		
2579 F14	3653 G2		
2580 G14	3654 F2		
2581 G14	3655 B3		
2582 I14	3656 B3		
2583 I14	3657 D11		
2584 J10	3658 C11		
2585 J10	3659 B13		
2586 J10	3663 C13		
2587 J8	3664 B13		
2588 D1	3666 E10		
2589 D1	3667 E10		
2590 J9	3668 F10		
2591 B6	3669 F11		
2592 B1	3670 E11		
2593 I3	3671 E11		
2594 I3	3673 G12		
2595 J3	3675 B12		
2609 C8	3680 B13		
2610 A5	3681 A11		
2611 A5	3682 B12		
2629 B11	3683 H13		
2632 C5	3684 H2		
2634 C5	3685 I2		
2637 A11	3686 I2		
2640 B6	3687 I2		
2643 C10	3688 G2		
2644 D10	3689 H2		
2645 E10	3690 G2		
2646 C10	3691 H2		
2649 E10	3692 E2		
2651 E4	3693 E2		
2652 E4	3694 E2		
2653 D2	3695 F2		
2654 E3	3698 C11		
2659 E2	3699 C5		
2660 F2	4520 A8		
2661 F2	4521 A8		
2662 G2	4522 B9		
2663 F2	4523 A7		
2664 G2	4603 A4		
2665 A5	4604 A4		
2666 A5	4606 A1		
2667 H7	4607 I6		
2668 H8	4608 I6		
2670 A2	4609 I6		
2673 B11	4610 D13		
2674 A11	4611 G11		
2677 C8	4632 F9		
2678 C8	4633 G9		
2679 E9	4642 D13		
2680 E9	4645 F13		
2681 E4	4652 E1		
2682 E3	4676 J12		
2686 F9	4677 J12		
2687 G9	4682 H7		
2690 B6	4683 H7		
2691 C6	4684 I7		
2693 A3	4685 I7		
2694 F10	4686 I7		
2695 A2	4687 I7		
2696 B5	4688 C7		
2697 I3	4689 A6		
2698 I3	4690 C7		
3519 A7	4691 C7		
3520 C12	5651 A5		
3521 E13	5652 A5		
3522 F13	5653 C7		
3523 A8	5654 A3		
3524 A9	5656 A1		
3525 A9	5657 H7		
3526 A10	5658 H7		
3527 B10	5659 I7		
3528 C14	5660 I7		
3529 E14	5661 I7		
3530 E14	5662 I7		
3531 C1	5663 C1		
3532 B6	5664 I9		
3533 B5	5665 I10		
3540 A6	5666 J7		
3544 B11	5667 D1		

Small Signal Board: Falconic

B8 FALCONIC

* RESERVED

FALCONIC

COMPRESS

DECOMPRESS

DEINTERLACER

PIXEL PEAK

MOTION ESTIMATOR

LEFT MPRAM

RIGHT MPRAM

UPCONVERSION

VERTICAL PEAKING

VERTICAL ZOOM

DNR

VECTORS

FIELD MEMORY

7740 MSM54V12222A

7726 SAA4992

SNERT INTER

CONTROL

BST

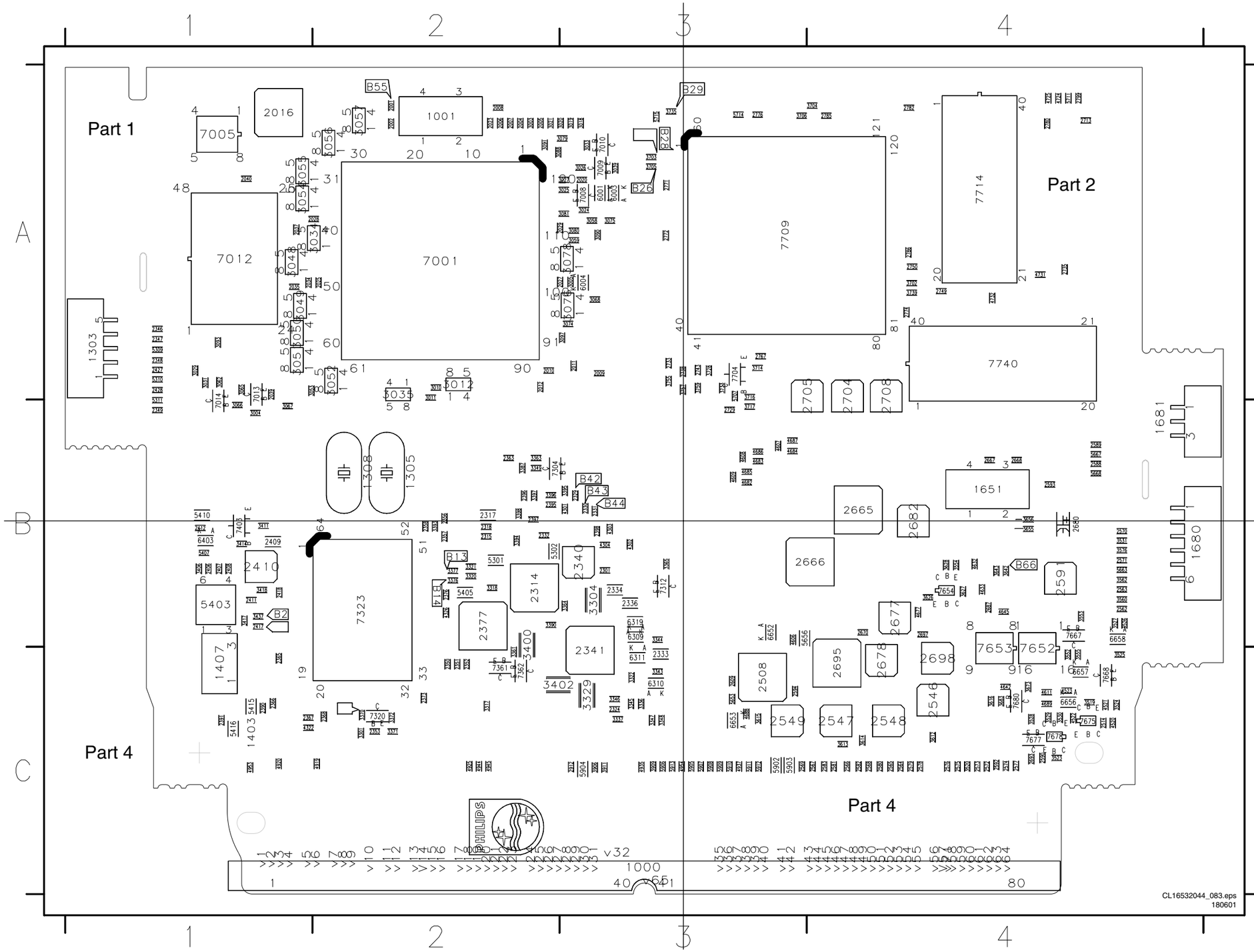
B28 PM3394B 1V / div DC 20 s / div

B29 PM3394B 1V / div DC 20 s / div

2702 B3
2705 H2
2711 G2
2715 I8
2716 I9
2732 A9
2734 A8
2735 A7
2736 E5
2737 E5
2780 D12
2782 G12
2783 H2
2784 B3
3787 G5
3788 E4
3789 E4
3793 G4
3794 G3
3795 G4
3796 G3
4737 B2
4738 B3
4739 E2
4740 E3
5732 G2
5738 B3
5740 G2
7726 B5
7740 B1

CL16532044_065.eps
060601

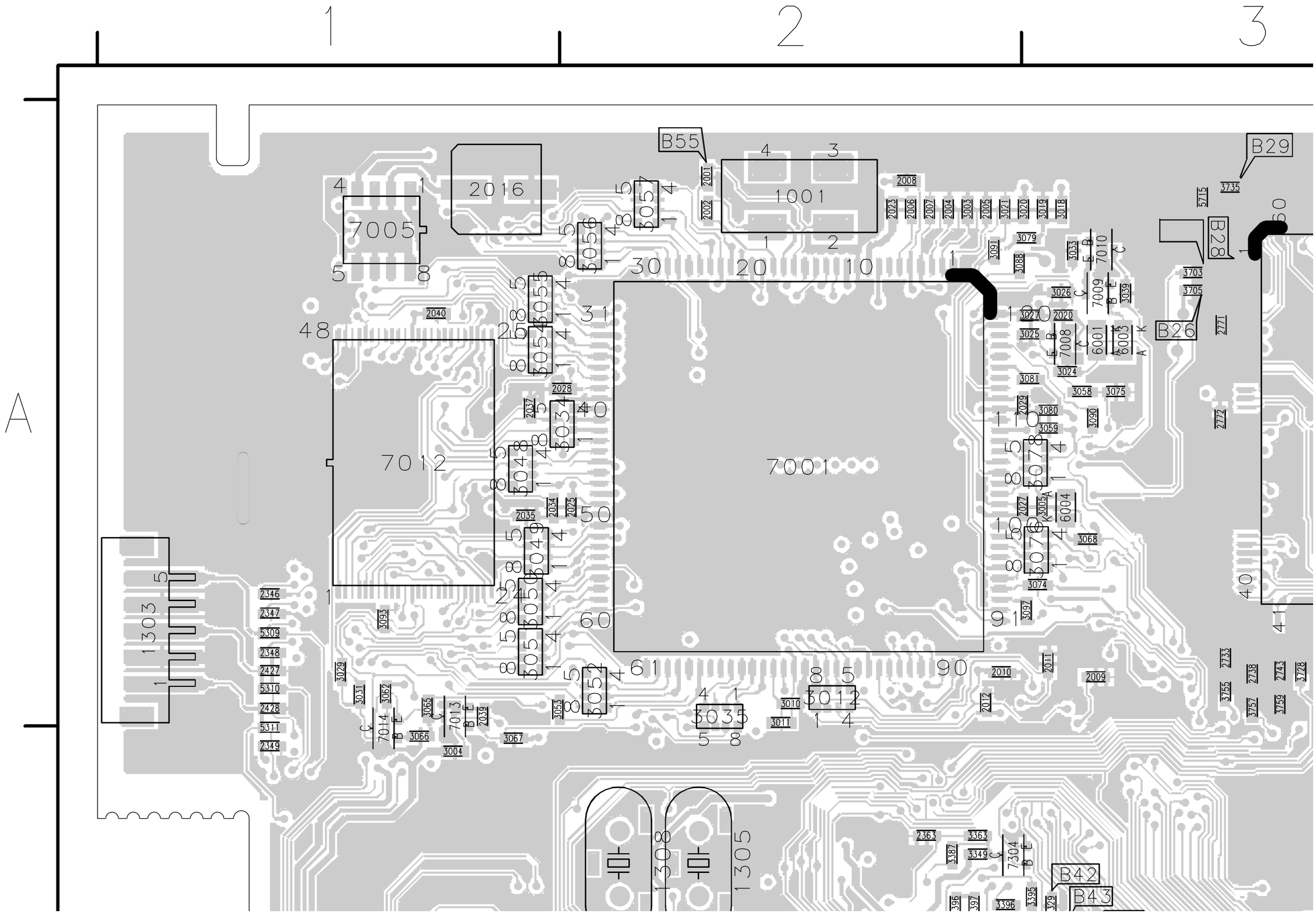
Layout SSB (LOT Side Overview)



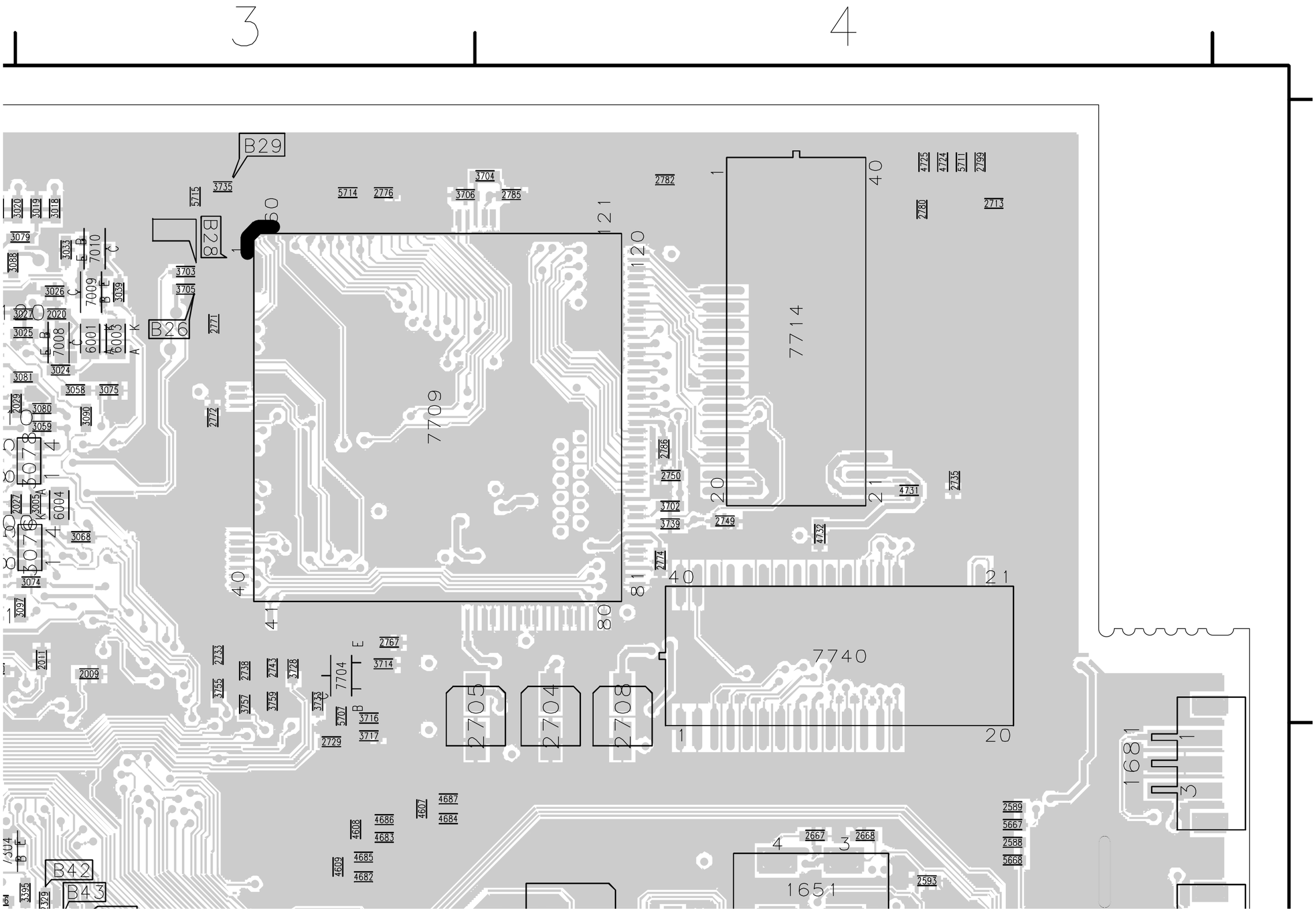
1000	C3	1308	B2	1680	B4	2004	A2	2008	A2	2012	A2	2025	A2	2034	A1	2040	A1	2317	B2	2330	B3	2334	B3	2346	A1	2350	C2	2356	B2	2365	C1	2373	C2	2391	C1	2398	B3	2409	B1	2417	B1
1001	A2	1403	C1	1681	B4	2005	A2	2009	A3	2016	A1	2027	A3	2035	A1	2301	B3	2318	B2	2331	B3	2336	B3	2347	A1	2351	C2	2357	B2	2366	C1	2376	B2	2395	B2	2406	B1	2410	B1	2418	B1
1303	A1	1407	C1	2001	A2	2006	A2	2010	A2	2020	A3	2028	A2	2037	A1	2314	B2	2324	C3	2332	B2	2340	B3	2348	A1	2352	C2	2358	B2	2367	C1	2377	B2	2396	B2	2407	B1	2411	B1	2427	A1
1305	B2	1651	B4	2002	A2	2007	A2	2011	A3	2023	A2	2029	A3	2039	A1	2315	B2	2329	B3	2333	C3	2341	B3	2349	B1	2353	C2	2363	B2	2368	C2	2390	C1	2397	B2	2408	B1	2412	B1	2428	A1

2508	C3	3062	A1	3757	A3	7362	C2																								
2514	C4	3065	A1	3759	A3	7403	B1																								
2546	C4	3066	B1	3906	C3	7652	B4																								
2547	C4	3067	B1	3909	C3	7653	B4																								
2548	C4	3068	A3	3911	C3	7654	B4																								
2549	C3	3074	A3	4301	B3	7667	B4																								
2562	B4	3075	A3	4302	B3	7668	C4																								
2563	B4	3076	A3	4303	B3	7675	C4																								
2564	C4	3078	A2	4304	B3	7677	C4																								
2565	C4	3079	A3	4322	C1	7678	C4																								
2566	C4	3080	A3	4326	B2	7680	C4																								
2567	C4	3081	A3	4520	C4	7704	A3																								
2568	C4	3088	A2	4521	C4	7709	A3																								
2569	C3	3090	A3	4522	C4	7714	A4																								
2570	B4	3091	A2	4523	C4	7740	A4																								
2571	B4	3093	A1	4606	B3																										
2572	C4	3097	A3	4607	B3																										
2573	C4	3301	C2	4608	B3																										
2574	C4	3304	B3	4609	B3																										
2575	C4	3317	C2	4611	C4																										
2576	C4	3318	B2	4632	B4																										
2577	C4	3320	B2	4633	B4																										
2578	C4	3321	B2	4642	C4																										
2579	C4	3322	C3	4645	B4																										
2580	C4	3329	C3	4677	B4																										
2581	C4	3336	C3	4682	B3																										
2582	C4	3337	C3	4683	B3																										
2583	C4	3343	C3	4684	B3																										
2588	B4	3344	B3	4685	B3																										
2589	B4	3345	C3	4686	B3																										
2590	C4	3346	C3	4687	B3																										
2591	B4	3347	C3	4688	C3																										
2592	C4	3348	C3	4689	C4																										
2593	B4	3349	B2	4724	A4																										
2594	C3	3361	C2	4725	A4																										
2609	C3	3363	B2	4731	A4																										
2665	B4	3364	B3	4732	A4																										
2666	B3	3365	B3	4919	C2																										
2667	B4	3370	C2	4920	C1																										
2668	B4	3371	C2	4925	C2																										
2670	B4	3372	C2	4935	C3																										
2677	B4	3376	B2	4937	C3																										
2678	C4	3377	B2	4944	C2																										
2680	B4	3387	B2	4945	C2																										
2682	B4	3390	B2	4953	C1																										
2687	B4	3393	B2	4954	C3																										
2693	C4	3394	B2	5301	B2																										
2695	B4	3395	B3	5302	B2																										
2697	B4	3396	B2	5309	A1																										
2698	B4	3397	B2	5310	A1																										
2704	A4	3398	B2	5311	B1																										
2705	A3	3400	B2	5403	B1																										
2708	A4	3402	C2	5405	B2																										
2713	A4	3406	B1	5407	B1																										
2729	B3	3411	B1	5410	B1																										
2733	A3	3414	B1	5415	C1																										
2735	A4	3417	B1	5416	C1																										
2738	A3	3418	B1	5653	C3																										
2743	A3	3437	B1	5656	B3																										
2749	A4	3519	C4	5663	B4																										
2750	A4	3520	C4	5667	B4																										
2767	A3	3523	C4	5668	B4																										
2771	A3	3524	C4	5707	A3																										
2772	A3	3525	C4	5711	A4																										
2774	A4	3526	B4	5714	A3																										
2776	A3	3527	B4	5715	A3																										
2780	A4	3528	C4	5902	C3																										
2782	A4	3529	C4	5903	C3																										
2785	A4	3530	C4	5904	C3																										
2786	A4	3531	B4	5905	C3																										
2799	A4	3552	C4	5906	C3																										
2912	C3	3553	B4	5907	C3																										
3003	A2	3554	B4	5908	C3																										
3004	B1	3555	C4	5909	C3																										
3005	A3	3560	B4	5910	C3																										
3010	A2	3562	B4	5911	C3																										
3011	A2	3576	B4	5912	C3																										
3012	A2	3612	C4	5913	C3																										
3018	A3	3613	C4	6001	A3																										
3019	A3	3614	C4	6003	A3																										
3020	A3	3615	C3	6004	A3																										
3021	A2	3616	C4	6309	B3																										
3024	A3	3626	B4	6310	C3																										
3025	A3	3627	B4	6311	C3																										
3026	A3	3628	B4	6319	B3																										
3027	A3	3642	B4	6403	B1																										
3029	A1	3643	B4	6652	B3																										
3031	A1	3655	B4	6653	C3																										
3033	A3	3656	B4	6656	C4																										
3034	A2	3673	C4	6657	C4																										
3035	A2	3683	C4	6658	B4																										
3039	A3	3702	A4	7001	A2																										
3048	A1	3703	A3	7005	A1																										
3049	A1	3704	A4	7008	A3																										
3050	A1	3705	A3	7009	A3																										
3051	A1	3706	A3	7010	A3																										
3052	A2	3714	A3	7012	A1																										
3053	A1	3716	A3	7013	A1																										
3054	A1	3717	B3	7014	B1																										
3055	A1	3728	A3	7304	B3																										
3056	A1	3733	A3	7312	B3																										
3057	A2	3735	A3	7320	C2																										
3058	A3	3739	A4	7323	B2																										
3059	A3	3755	A3	7361	C2																										

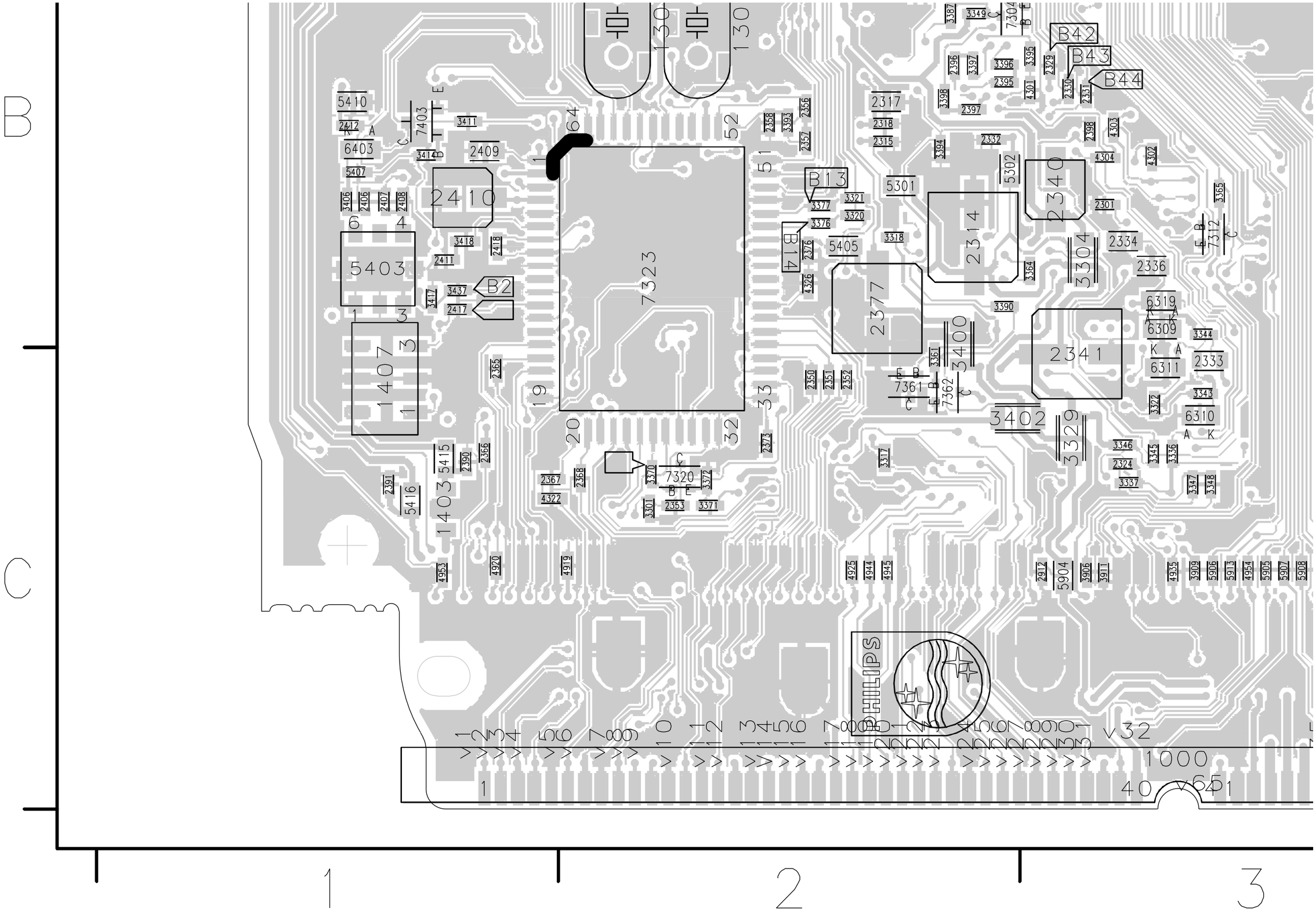
SSB (LOT Side Part 1)



SSB (LOT Side Part 2)



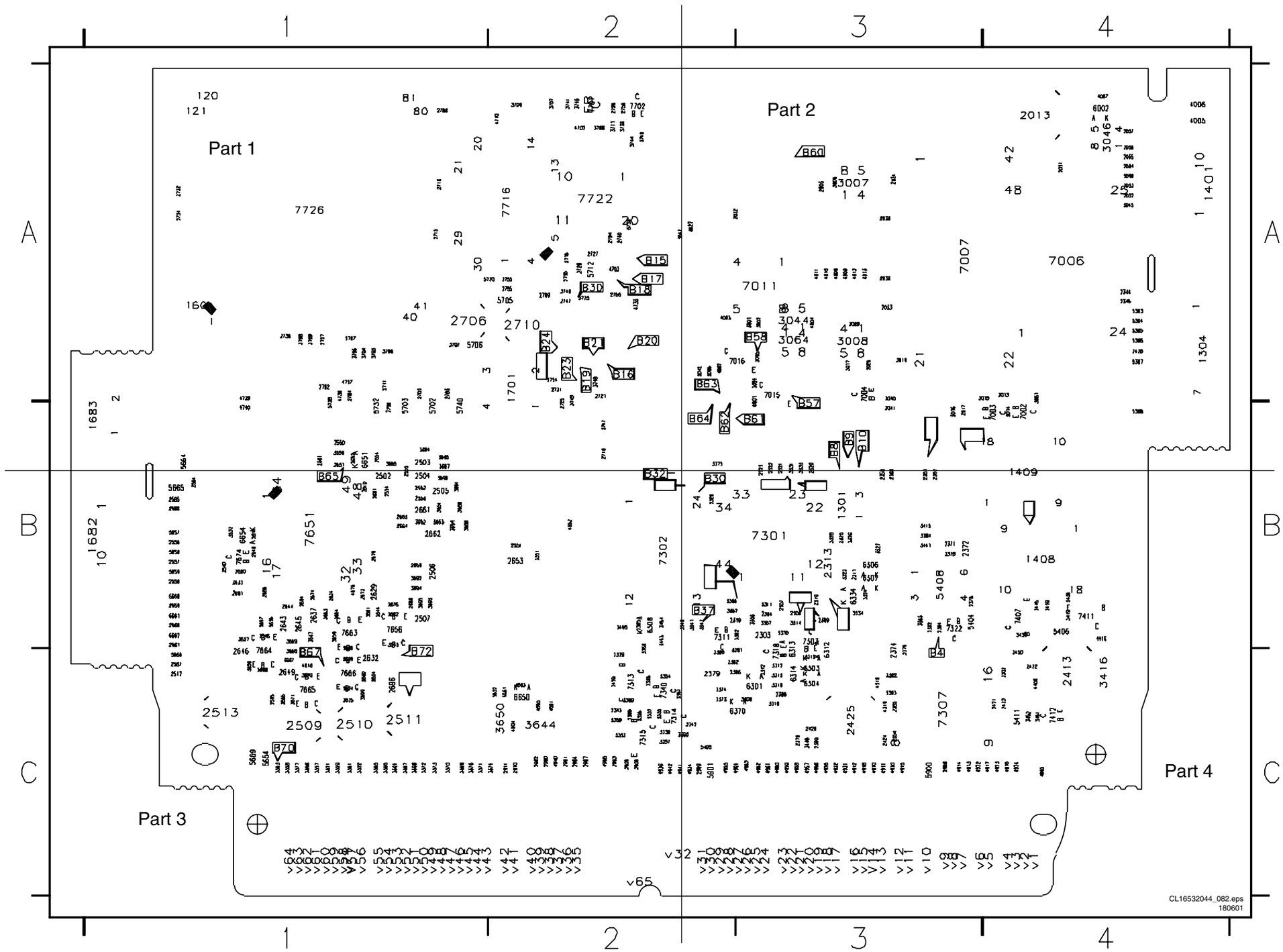
SSB (LOT Side Part 3)



SSB (LOT Side Part 4)

SSB (Tuner Side Overview)

1301 B3 1409 B4 2003 A3 2022 A2 2033 A3 2053 A4 2057 A4 2306 C3 2310 B3 2319 B3 2323 B3 2343 C2 2359 B3 2369 C3 2374 C3 2384 B3 2399 C2 2422 C4 2426 A4 2504 B1 2509 C1
1304 A4 1682 B1 2013 A4 2024 A3 2036 A3 2054 A4 2302 C4 2307 B3 2311 B3 2320 B3 2325 B3 2344 A4 2360 B3 2370 C3 2375 C3 2385 C3 2413 C4 2423 C4 2501 B1 2505 B1 2510 C1
1401 A4 1683 B1 2017 B3 2026 A3 2038 A3 2055 A4 2303 B3 2308 B3 2312 C3 2321 B3 2328 B2 2345 A4 2361 B3 2371 B3 2378 B3 2386 C3 2420 C3 2424 C3 2502 B1 2506 B1 2511 C1
1408 B4 1701 A1 2019 A3 2031 A4 2052 A4 2056 A4 2304 B3 2309 B3 2313 B3 2322 B3 2342 C2 2354 C3 2362 B3 2372 B3 2379 C2 2392 C2 2421 C4 2425 C3 2503 B1 2507 B1 2512 C1



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2553 B1 3047 A2 3636 B1 4934 C2
2554 B1 3061 A4 3637 B1 4936 C2
2555 B1 3064 A3 3639 C1 4940 C2
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2557 B1 3095 A3 3650 C2 4942 C2
2558 B1 3096 A2 3651 B1 4955 C2
2559 B1 3098 A4 3652 B1 4956 C3
2560 B1 3302 C3 3653 B1 4957 C3
2561 B1 3303 C3 3654 B1 4958 C3
2584 B1 3305 B2 3657 B1 4959 C3
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2586 B1 3307 B3 3659 B1 4961 C3
2587 C1 3308 C3 3663 B1 4962 C3
2595 C1 3310 B3 3664 B1 4963 C3
2610 B1 3311 B3 3666 C1 4964 C3
2611 B1 3312 C3 3667 C1 4965 C4
2629 B1 3313 C3 3668 C1 4966 C2
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2643 B1 3323 B3 3680 B1 5307 A4
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2645 B1 3326 B3 3682 B1 5404 B3
2646 C1 3327 B3 3684 B1 5406 B4
2649 C1 3328 B3 3685 B1 5408 B3
2651 B1 3331 B3 3686 B1 5409 C2
2652 B1 3333 B3 3687 B1 5411 C4
2653 B2 3334 B3 3688 B1 5651 C2
2654 B1 3338 C2 3689 B1 5652 C2
2659 B1 3339 C2 3690 B1 5654 C1
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2661 B1 3341 B2 3692 B1 5658 B1
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2663 B1 3351 C2 3694 B1 5660 B1
2664 B1 3352 C2 3695 B1 5661 B1
2673 B1 3353 C2 3698 C1 5662 B1
2674 B1 3354 C2 3699 C1 5664 B1
2679 B1 3355 C2 3707 A2 5665 B1
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2686 B1 3357 C2 3709 A2 5669 C1
2690 B1 3358 C2 3711 A2 5702 B1
2691 B1 3359 C2 3718 A2 5703 B1
2694 B1 3360 C2 3725 A2 5705 A2
2696 C1 3362 B3 3736 A2 5706 A1
2702 A1 3366 B2 3740 A2 5712 A2
2703 A1 3367 B2 3741 A2 5720 A2
2706 A1 3373 C2 3744 A2 5730 A2
2709 A2 3374 C2 3745 A2 5732 B1
2710 A2 3375 B2 3747 B2 5738 B1
2711 A1 3378 B3 3748 A2 5740 B1
2715 A1 3382 B3 3749 A2 5900 C3
2716 A1 3384 B3 3754 A2 5901 C2
2718 B2 3385 B3 3787 A1 6002 A4
2721 A2 3386 C2 3788 A1 6301 C3
2725 B2 3388 C2 3789 A1 6303 C3
2727 A2 3391 C3 3793 A1 6304 C3
2728 A2 3399 C2 3794 A1 6306 B3
2730 A2 3415 B3 3795 A1 6307 B3
2731 A2 3416 C4 3796 A1 6308 B2
2732 A1 3419 B4 4001 B3 6312 B3
2734 A1 3435 B4 4002 A2 6313 C3
2736 A1 3436 B4 4003 A2 6314 C3
2737 A1 3439 B4 4004 A3 6334 B3
2740 A2 3441 B3 4005 A4 6370 C3
2747 A2 3445 B4 4006 A4 6650 C2
2748 A2 3446 C3 4007 A4 6651 B1
2755 A2 3450 C4 4008 A3 6654 B1
2756 A2 3451 C4 4009 A3 7002 B4
2766 A2 3452 C4 4010 A3 7003 B4
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2797 A1 3532 B1 4416 B4 7301 B2
2798 B1 3533 B1 4603 C2 7302 B2
2900 C2 3540 B1 4604 C2 7303 C3
2901 C2 3544 B1 4610 C1 7307 C3
2902 C2 3545 B1 4652 B2 7311 B2
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2906 C2 3551 B2 4702 A2 7318 C3
2907 C2 3556 C1 4703 A2 7322 B3
2908 C3 3557 C1 4710 A2 7340 C2
2909 C2 3558 C1 4733 A2 7407 B4
2910 C2 3559 C1 4737 A1 7411 B4
2911 C2 3561 C1 4738 A1 7412 C4
3001 A3 3563 C1 4739 A1 7651 B1
3002 A3 3564 C1 4740 B1 7656 B1
3006 A3 3565 C1 4910 C3 7663 B1
3007 A3 3566 C1 4911 C3 7664 C1
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3013 A4 3569 C1 4914 C3 7674 B1
3014 B4 3570 C1 4915 C3 7701 A2
3015 A4 3571 C1 4916 C4 7702 A2
3016 B3 3572 C1 4917 C4 7716 A2
3017 A3 3573 C1 4918 C3 7722 A2
3022 A2 3574 C2 4922 C3 7726 A1
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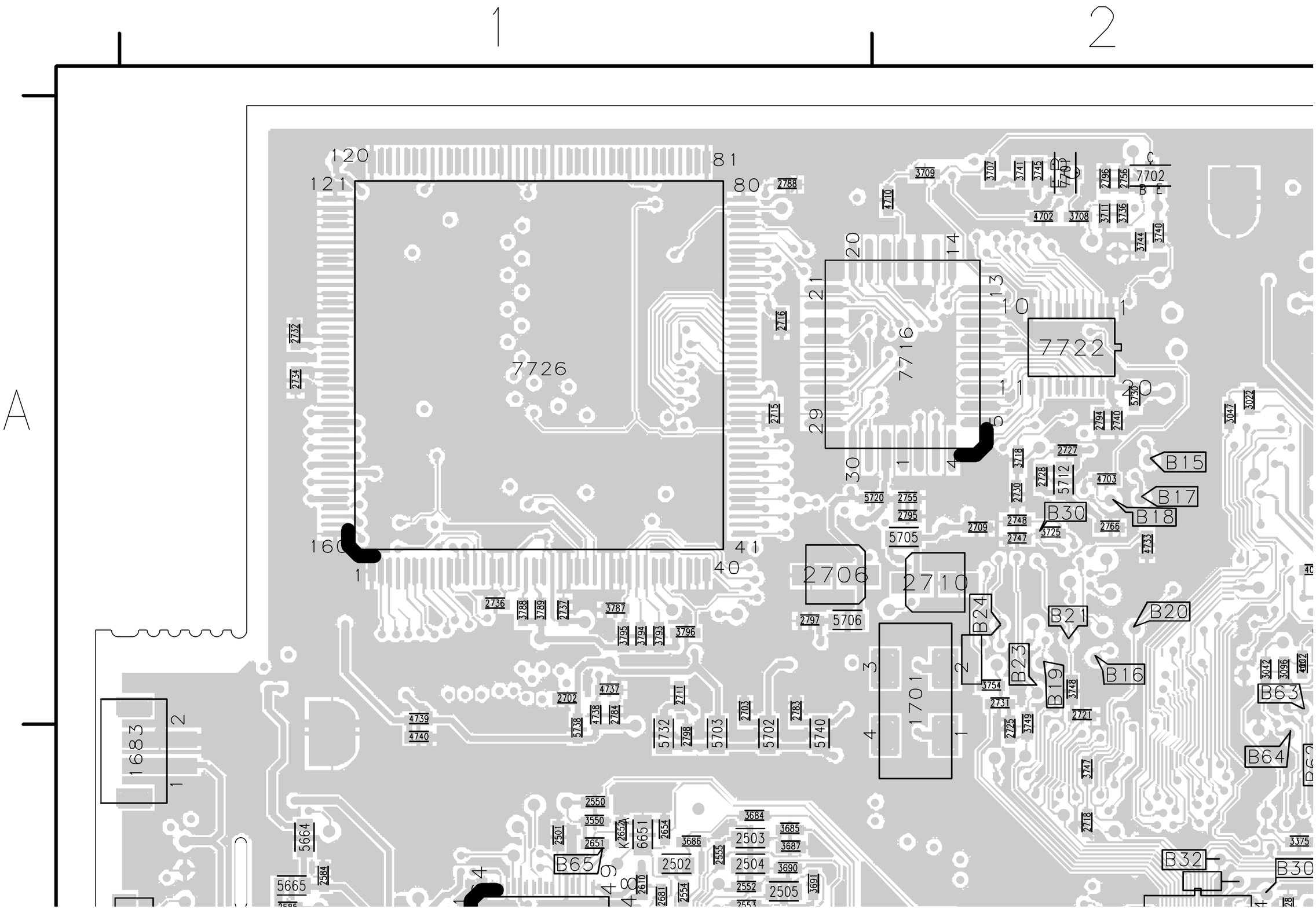
3041 B3 3577 C1 4924 C4

SSB (Tuner Side Part 1)



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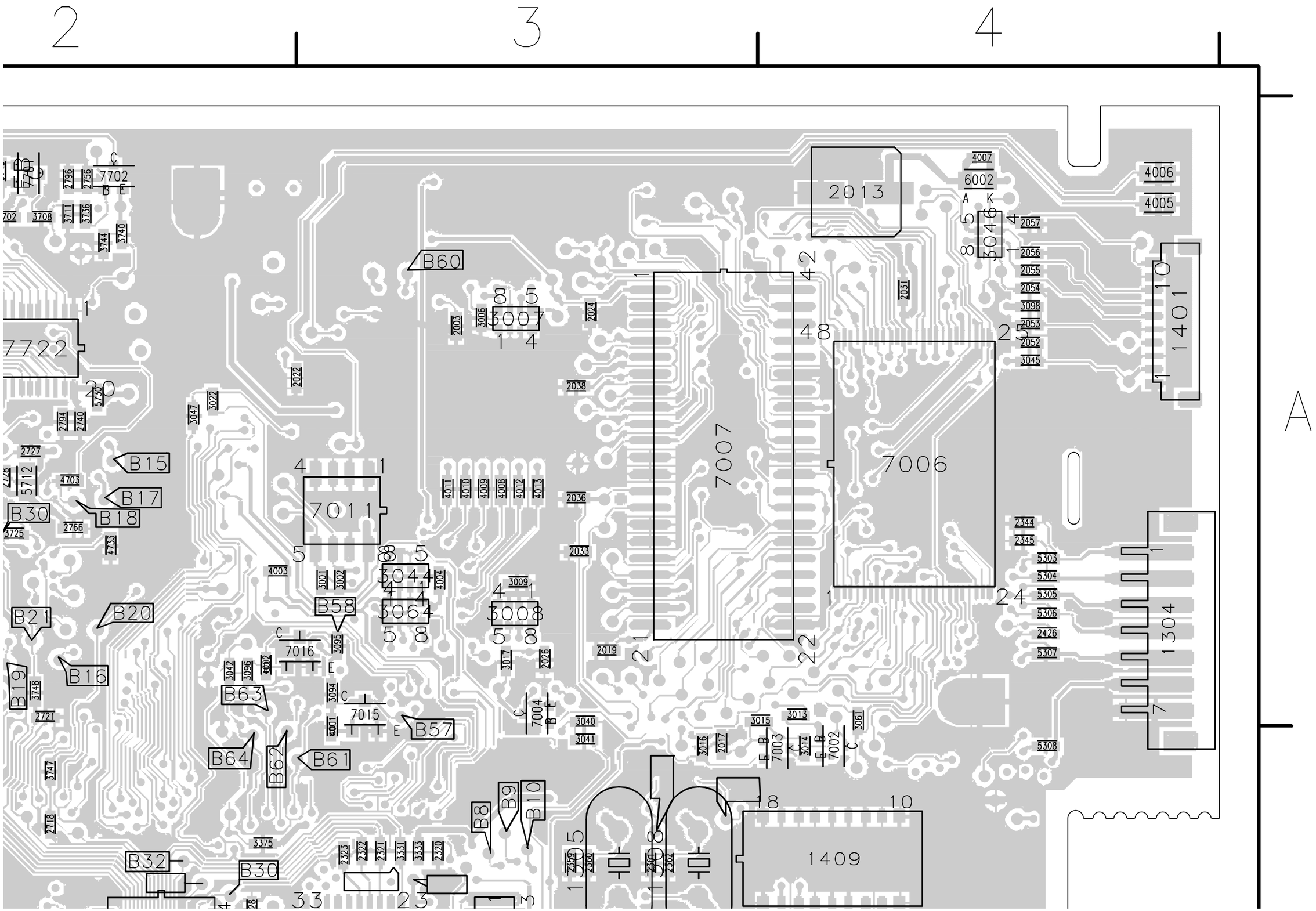

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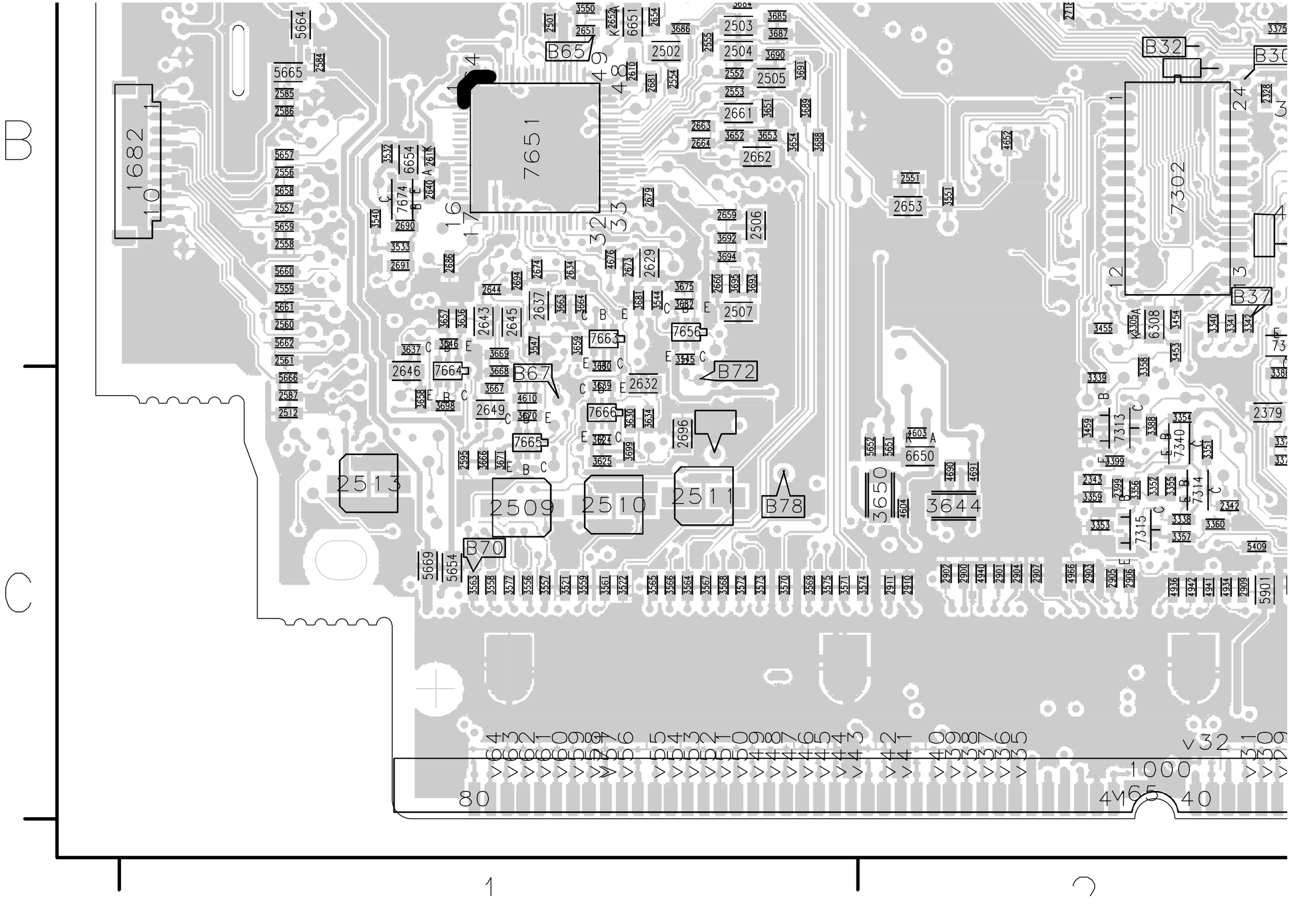
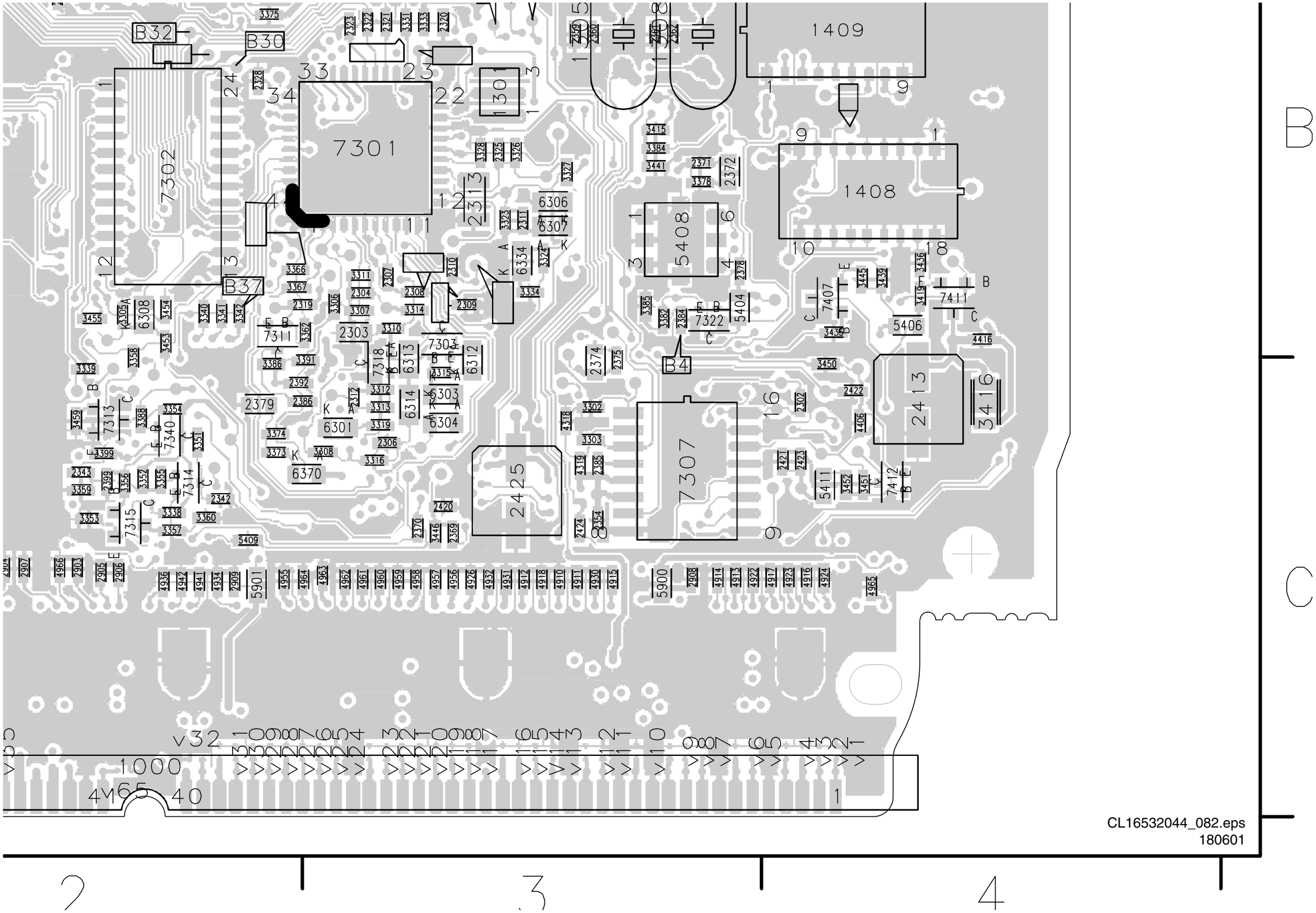


SSB (Tuner Side Part 4)



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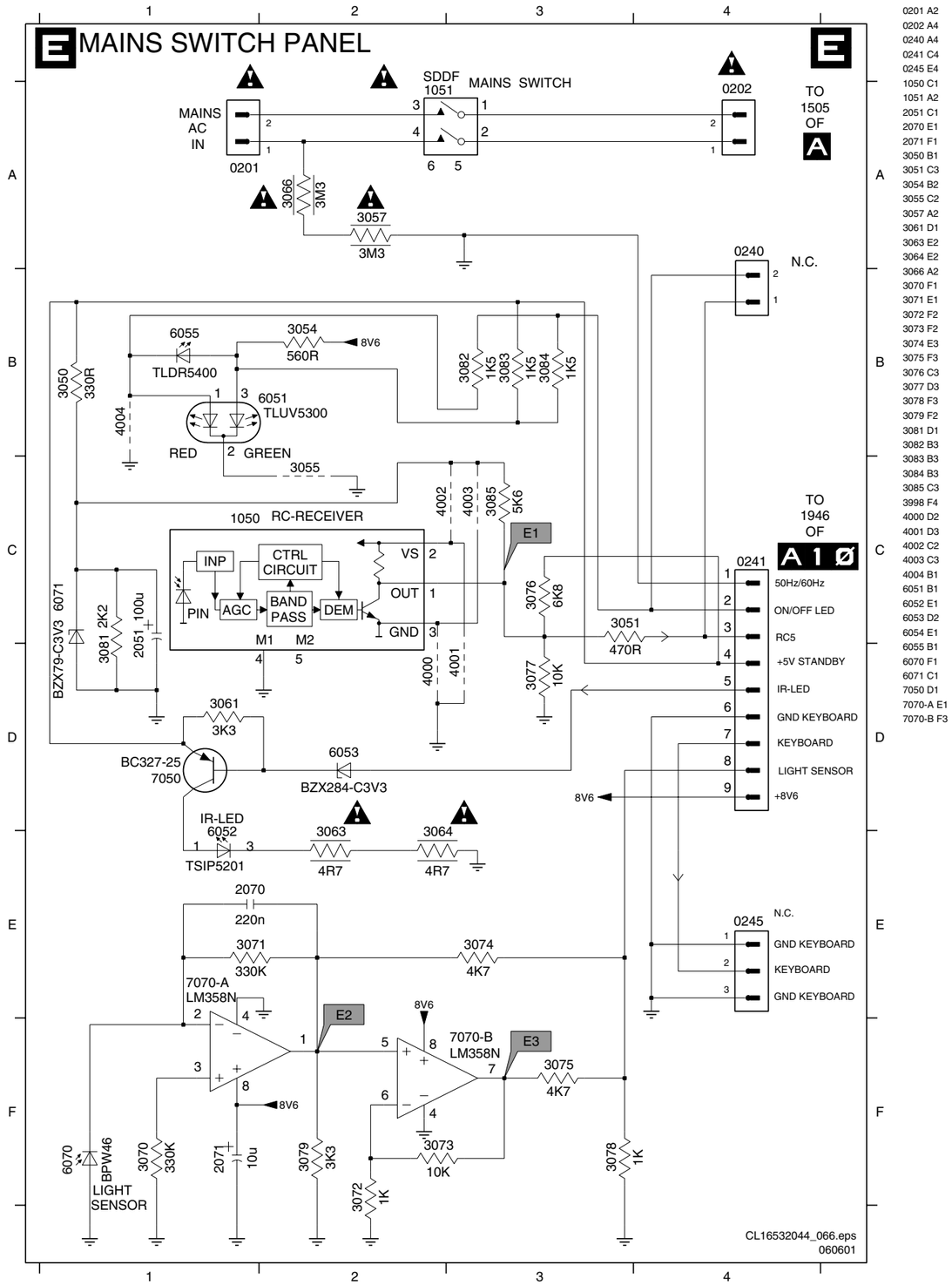
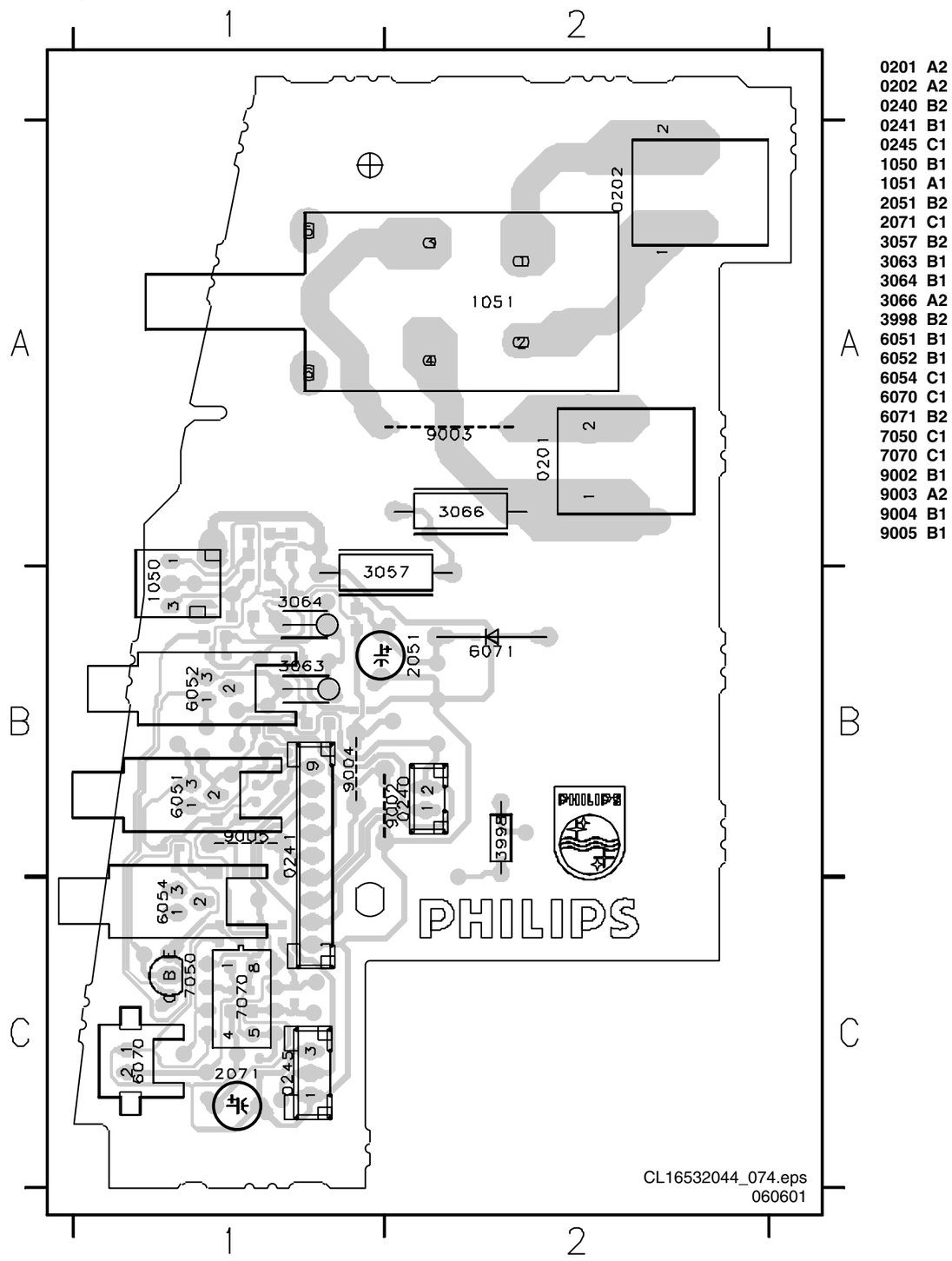
Mains Switch Panel



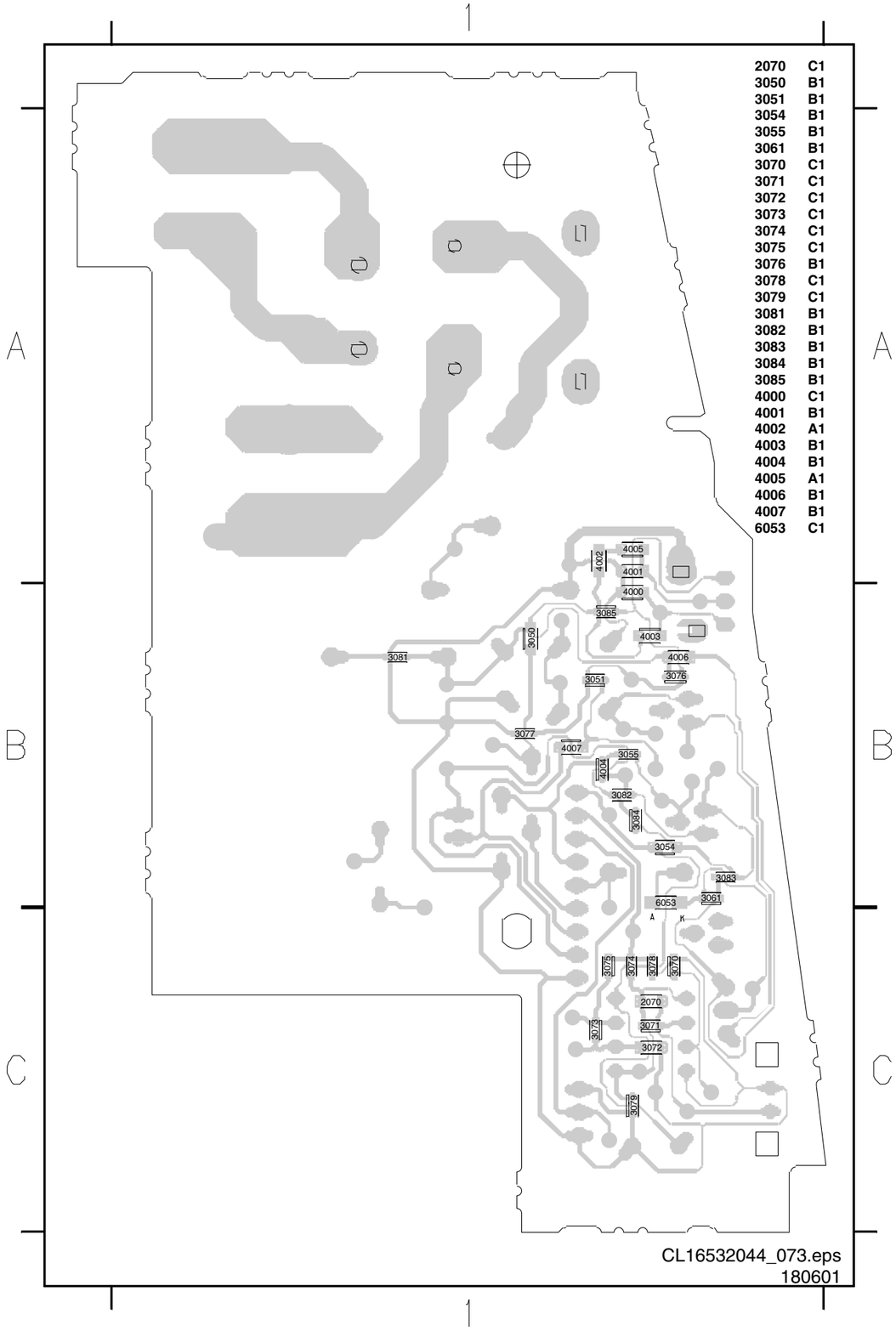
0201 A2
0202 A4
0240 A4
0241 C4
0245 E4
1050 C1
1051 A2
2051 C1
2070 E1
2071 F1
3050 B1
3051 C3
3054 B2
3055 C2
3057 A2
3061 D1
3063 E2
3064 E2
3066 A2
3070 F1
3071 E1
3072 F2
3073 F2
3074 E3
3075 F3
3076 C3
3077 D3
3078 F3
3079 F2
3081 D1
3082 B3
3083 B3
3084 B3
3085 C3
3998 F4
4000 D2
4001 D3
4002 C2
4003 C3
4004 B1
6051 B1
6052 E1
6053 D2
6054 E1
6055 B1
6070 F1
6071 C1
7050 D1
7070-A E1
7070-B F3

Layout Mains Switch Panel (Top View)



0201 A2
0202 A2
0240 B2
0241 B1
0245 C1
1050 B1
1051 A1
2051 B2
2071 C1
3057 B2
3063 B1
3064 B1
3066 A2
3998 B2
6051 B1
6052 B1
6054 C1
6070 C1
6071 B2
7050 C1
7070 C1
9002 B1
9003 A2
9004 B1
9005 B1

Layout Mains Switch Panel (Bottom View)



Personal Notes:

CRT / SCAVEM Panel

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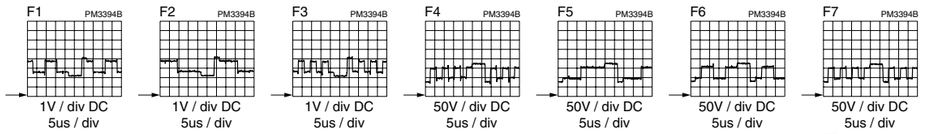
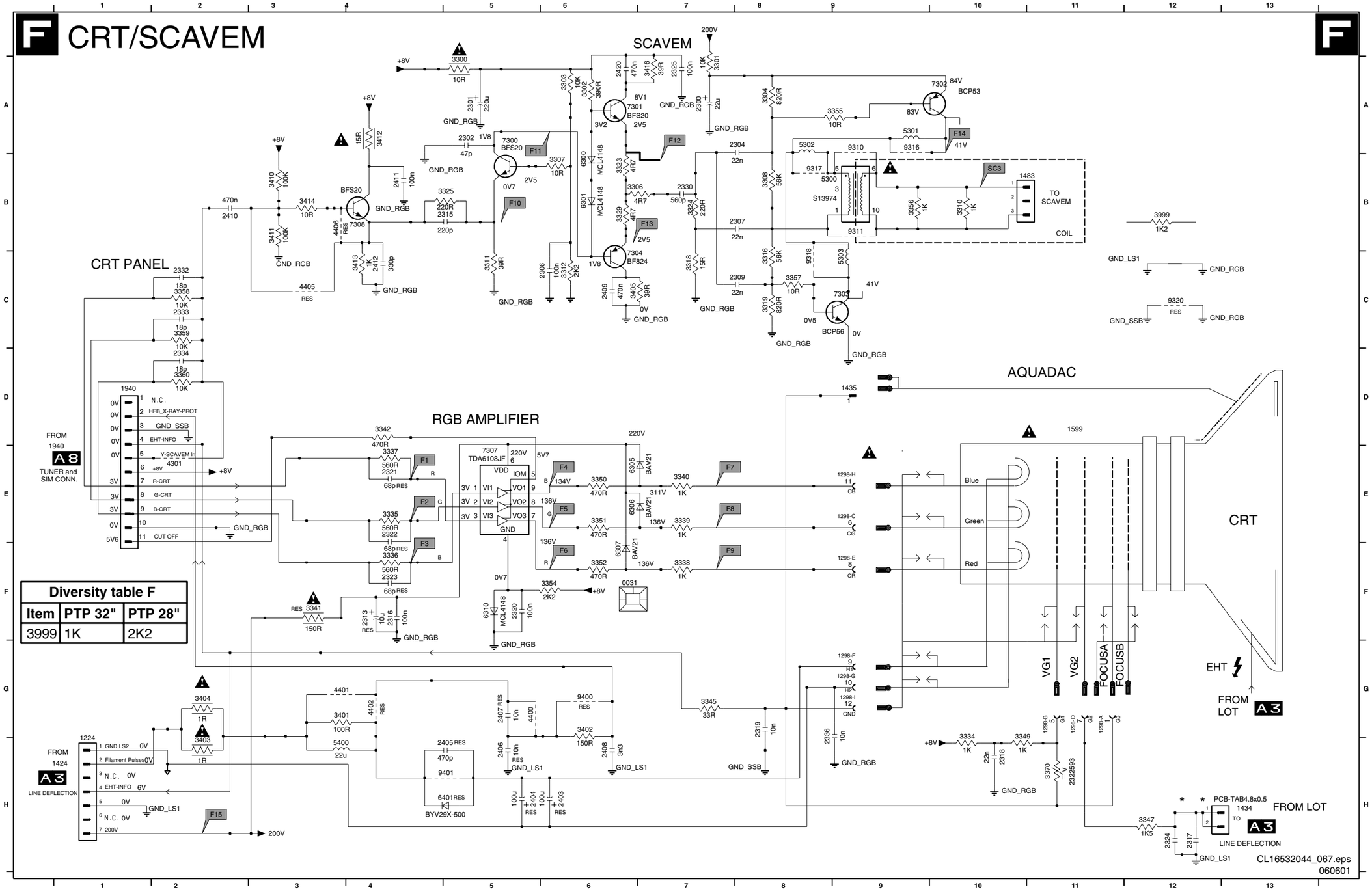
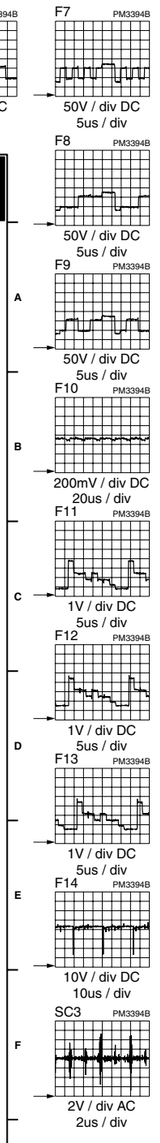
1298-A G11	1424 H1	2306 C6	2320 F5	2334 D2	2410 B2	3306 B6	3323 B6	3339 E7	3352 F6	3401 G3	3414 B3	4406 B3	6306 E6	7307 E5	
1298-B G11	1434 H13	2307 B8	2321 E4	2336 G8	2411 B4	3307 B6	3324 B7	3340 E7	3354 F6	3402 G6	3416 A7	5300 B8	6307 F6	7308 B4	
1298-C E9	1435 D9	2309 C8	2322 E4	2403 H6	2412 C4	3308 B8	3325 B5	3341 F3	3355 A9	3403 H2	3999 B12	5301 A9	6310 F5	9310 A9	
1298-D G11	1483 B10	2313 F4	2323 F4	2404 H5	2420 A6	3310 B10	3329 B6	3342 D4	3356 B9	3404 G2	4300 F3	5302 A8	6401 H5	9311 B9	
1298-E F9	1940 D1	2315 B5	2324 H12	2405 H5	2300 A5	3311 C5	3334 H10	3345 G7	3357 C8	3405 C6	4301 E2	5303 C9	7300 A5	9316 A9	
1298-F G9	2300 A7	2316 F4	2325 A7	2406 H5	3301 A7	3312 C6	3335 E4	3347 H12	3358 C2	3410 B3	4400 G5	5400 H3	7301 A6	9317 B8	
1298-G G9	2301 A5	2317 H12	2330 B7	2407 G5	3302 A6	3316 C8	3336 F4	3349 H10	3359 C2	3411 B3	4401 G3	6300 B6	7302 A10	9318 C8	
1298-H E9	2302 A5	2318 H10	2332 C2	2408 H6	3303 A6	3318 C7	3337 E4	3350 E6	3360 D2	3412 A4	4402 G4	6301 B6	7303 C9	9400 G6	

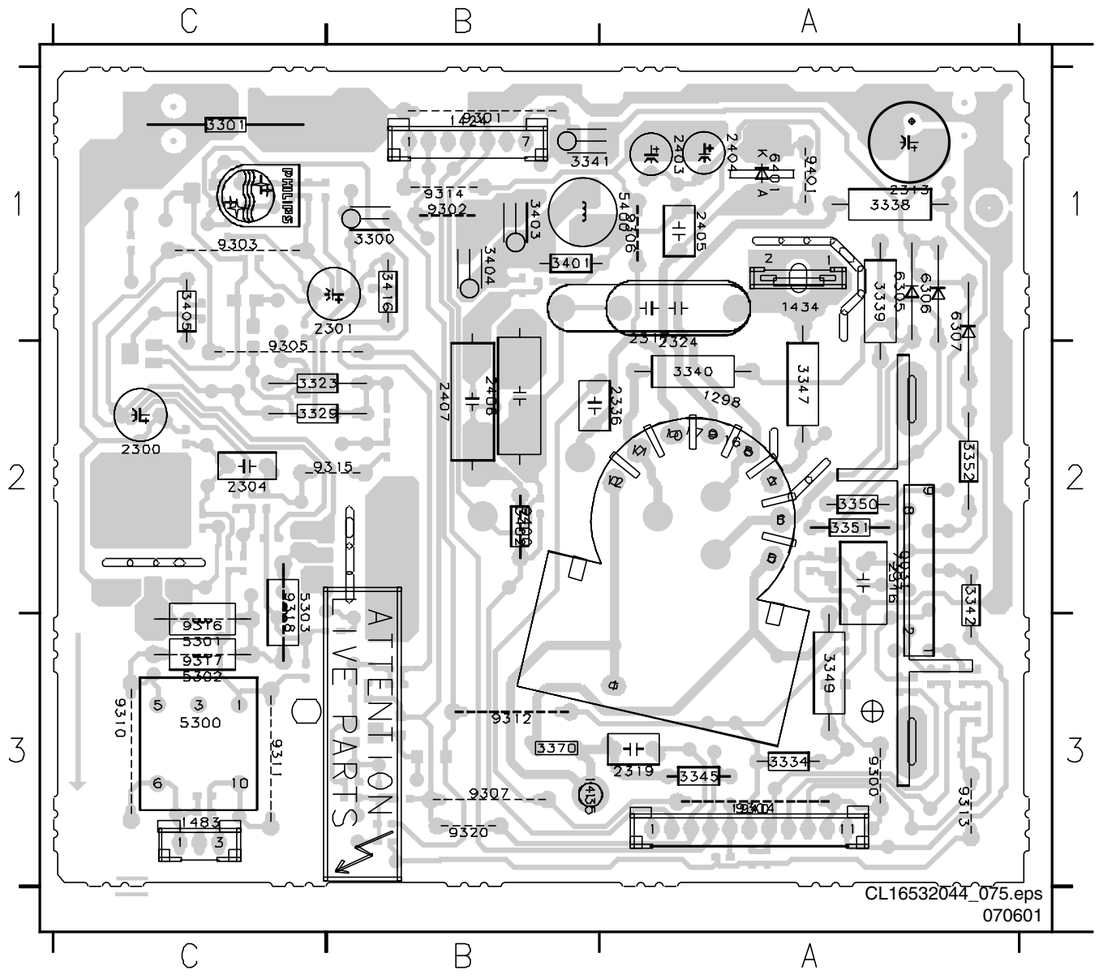






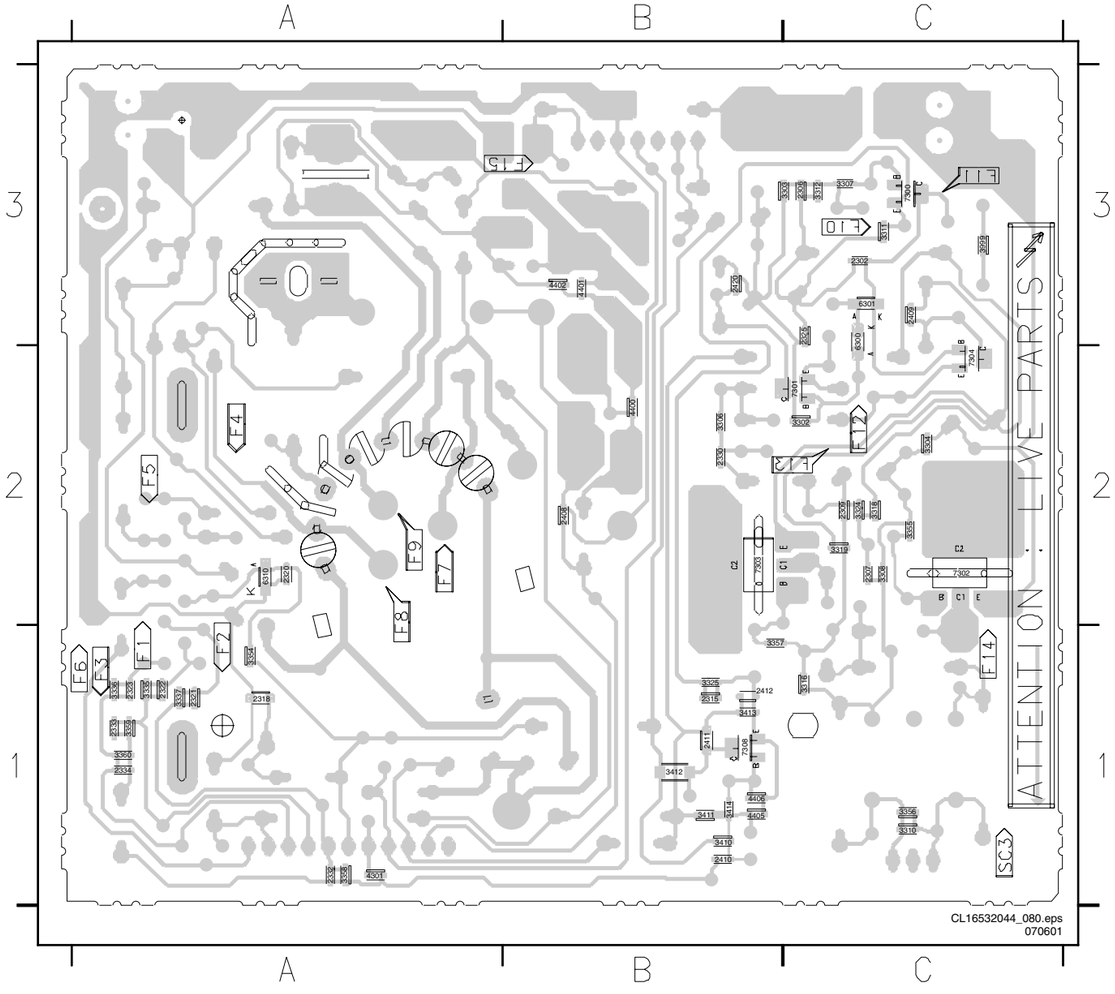
CRT/SCAVEM Panel (Top Side)

0031 A2 2300 C2 2324 A2 3300 B1 3340 A2 3351 A2 3405 C1 6305 A1 9302 B1 9311 C3 9318 C2
1298 A3 2301 B1 2336 A2 3301 C1 3341 A1 3352 A2 3416 B1 6306 A1 9303 C1 9312 B3 9320 B3
1424 B1 2304 C2 2403 A1 3323 C2 3342 A2 3370 B3 5300 C3 6307 A1 9304 A3 9313 A3 9400 B2
1434 A1 2313 A1 2404 A1 3329 C2 3345 A3 3401 B1 5301 C2 6401 A1 9305 C2 9314 B1 9401 A1
1435 A3 2316 A2 2405 A1 3334 A3 3347 A2 3402 B2 5302 C3 7307 A2 9306 A1 9315 B2
1483 C3 2317 B2 2406 B2 3338 A1 3349 A3 3403 B1 5303 C2 9300 A3 9307 B3 9316 C2
1940 A3 2319 A3 2407 B2 3339 A2 3350 A2 3404 B1 5400 A1 9301 B1 9310 C3 9317 C3

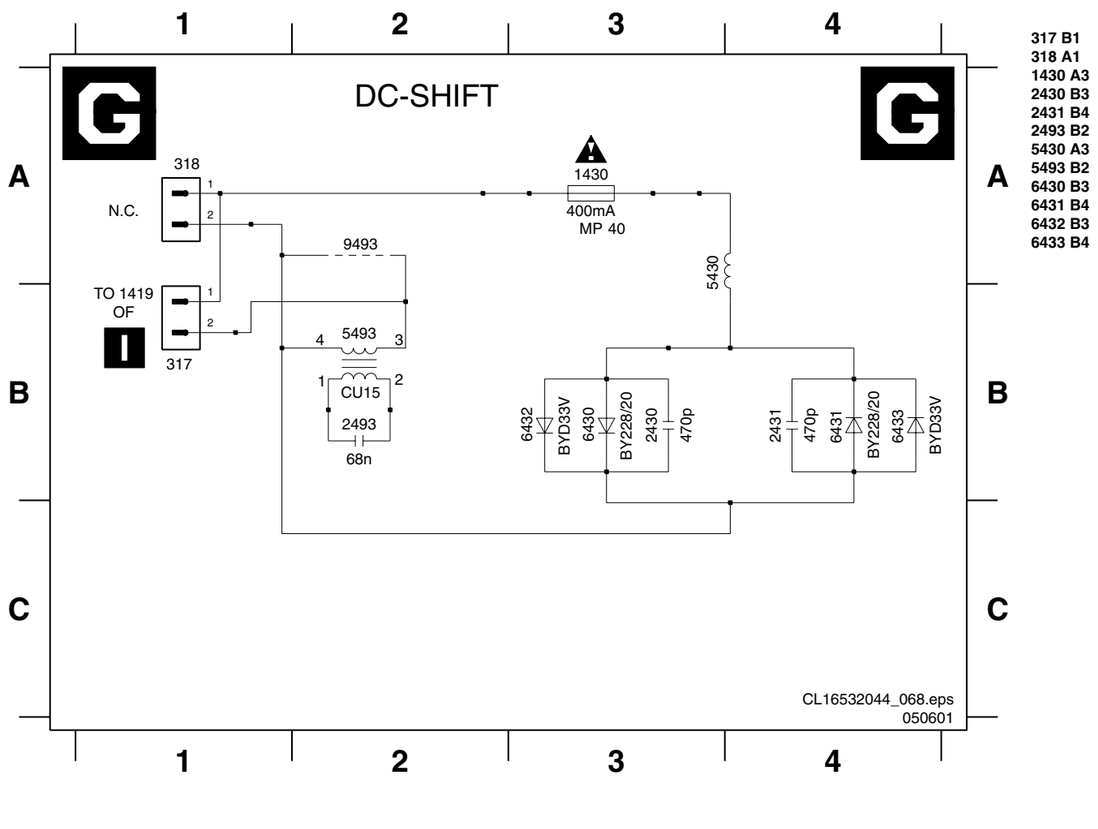


CRT/SCAVEM Panel (Bottom Side)

2302 C3 2318 A1 2325 C3 2408 B2 2420 B3 2420 B3 3307 C3 3316 C1 3335 A1 3356 C1 3410 B1 3416 B3 4402 B3 6310 A2 7304 C2
2306 C3 2320 A2 2330 B2 2409 C3 3302 C2 3302 C2 3308 C2 3318 C2 3336 A1 3357 B1 3411 B1 3999 C3 4405 B1 7300 C3 7308 B1
2307 C2 2321 A1 2332 A1 2410 B1 3303 C3 3303 C3 3310 C1 3319 C2 3337 A1 3358 A1 3412 B1 4301 A1 4406 B1 7301 C2
2309 C2 2322 A1 2333 A1 2411 B1 3304 C2 3304 C2 3311 C3 3324 C2 3354 A1 3359 A1 3413 B1 4400 B2 6300 C3 7302 C2
2315 B1 2323 A1 2334 A1 2412 B1 3306 B2 3306 B2 3312 C3 3325 B1 3355 C2 3360 A1 3414 B1 4401 B3 6301 C3 7303 B2



DC-Shift



Layout DC-Shift Panel (Top Side)

317	A3	1430	A2	2431	A1	5430	A1	6430	A2	6432	A2	9493	A3
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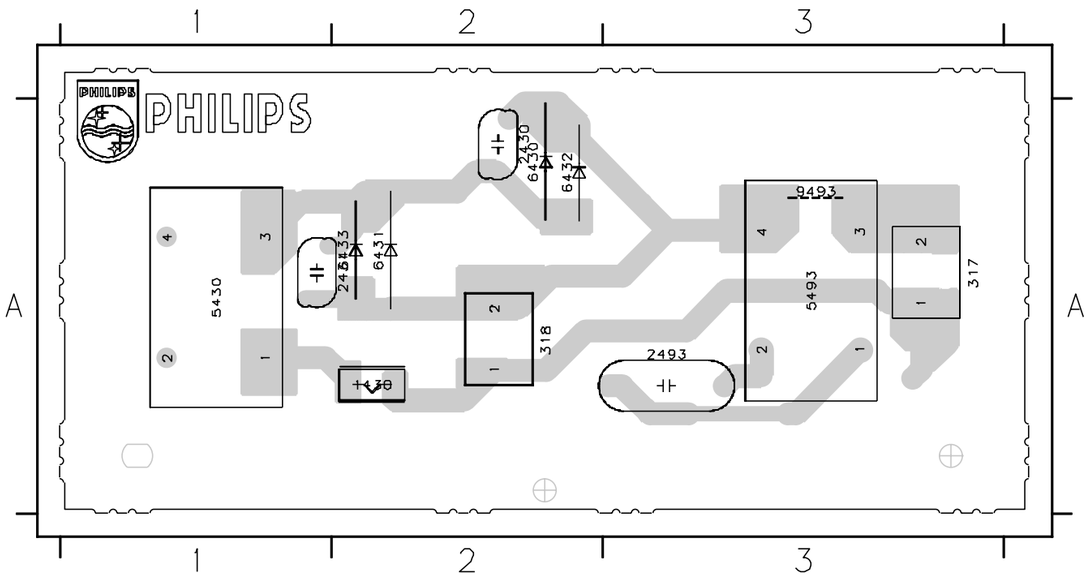

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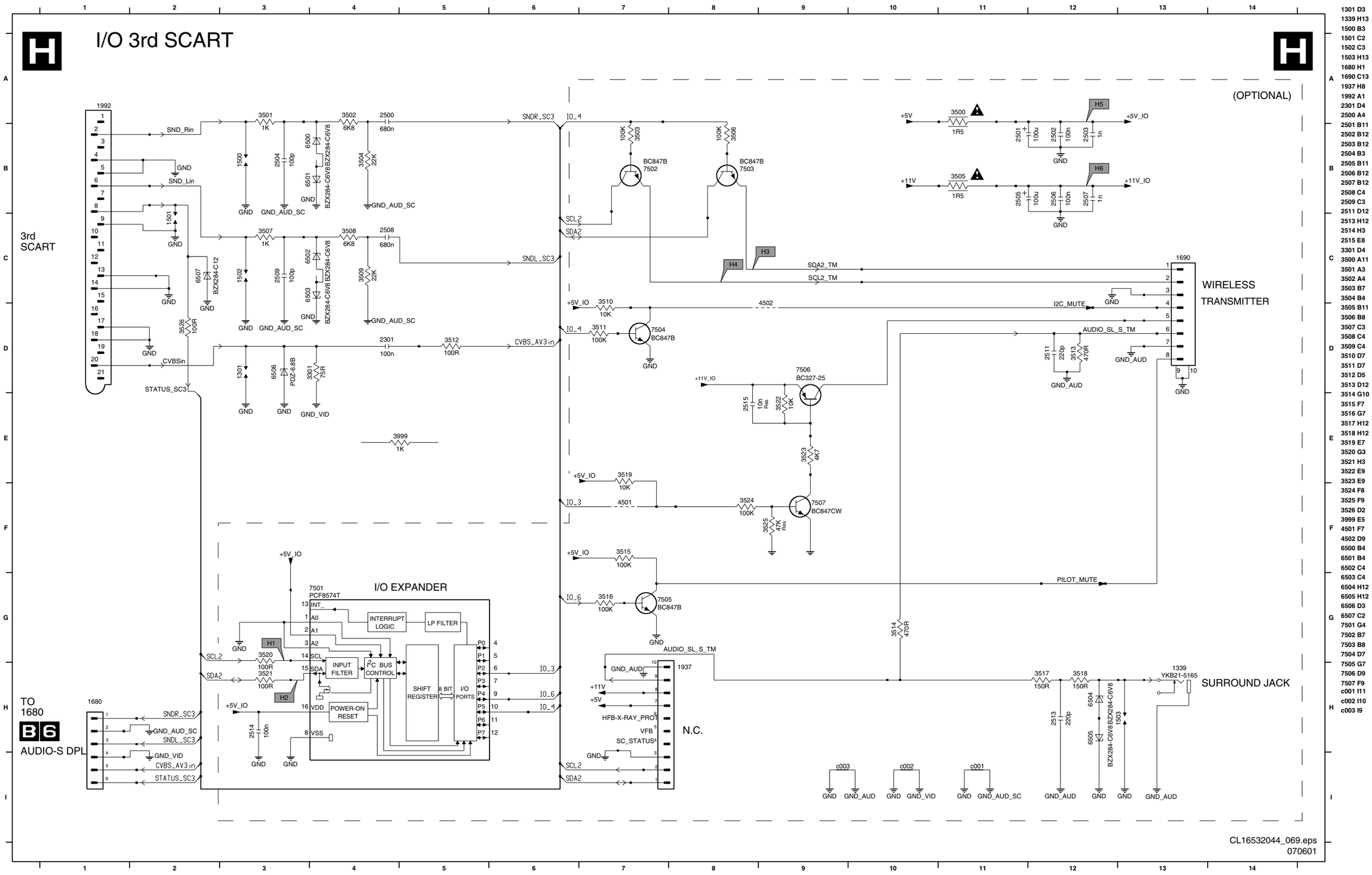
300501

Personal Notes:

Personal Notes:

I/O 3rd SCART Panel



1301 D3
1339 H13
1500 B3
1501 C2
1502 C3
1503 H13
1680 H1
1690 C13
1937 H8
1992 A1
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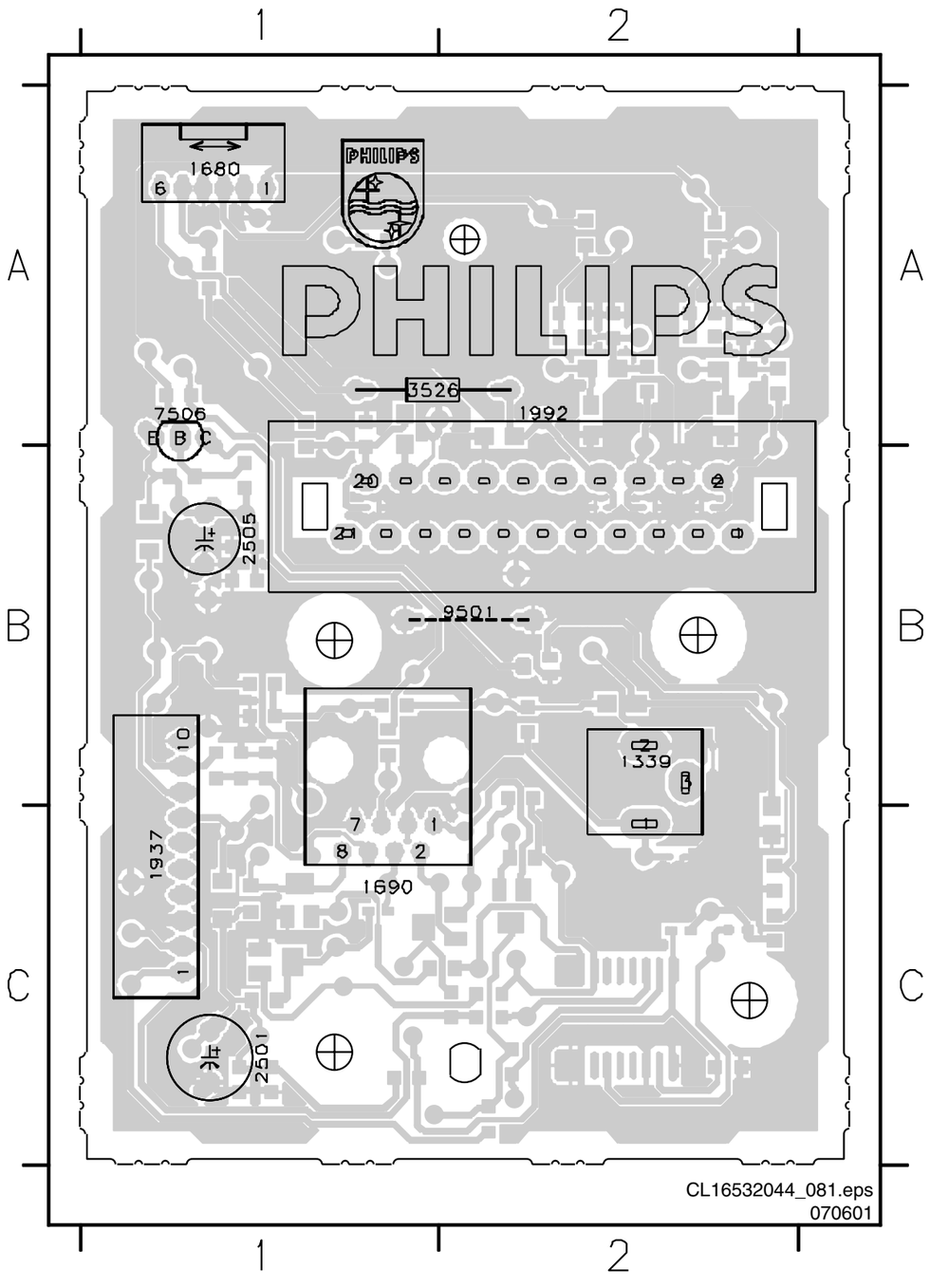
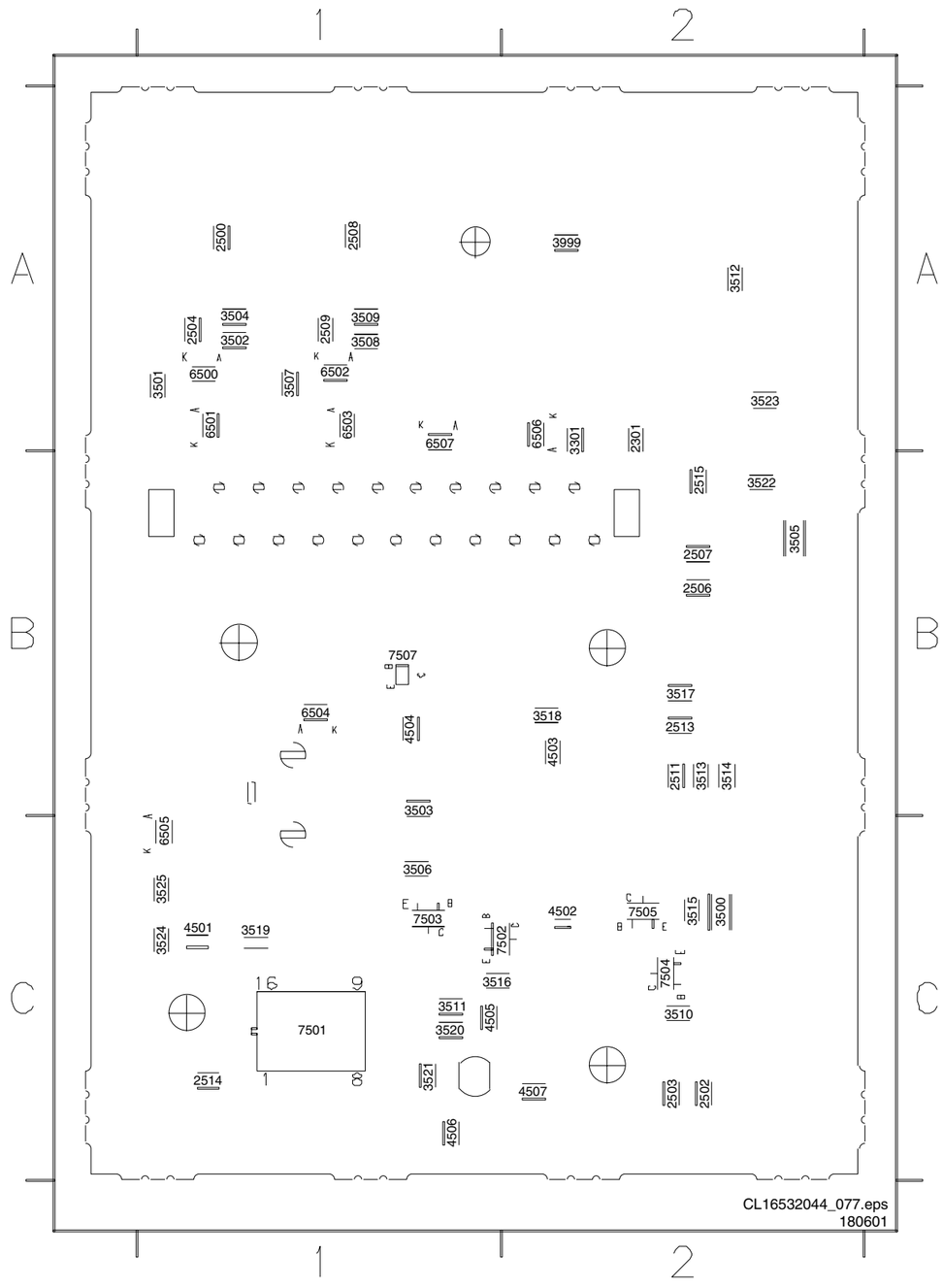
2500 A4
2501 B11
2502 B12
2503 B12
2504 B3
2505 B11
2506 B12
2507 B12
2508 C4
2509 C3
2511 D12
2513 H12
2514 H3
2515 E8
3301 D4
3500 A11
3501 A3
3502 A4
3503 B7
3504 B4
3505 B11
3506 B8
3507 C3
3508 C4
3509 C4
3510 D7
3511 D7
3512 D5
3513 D12
3514 G10
3515 F7
3516 G7
3517 H12
3518 H12
3519 E7
3520 G3
3521 H3
3522 E9
3523 E9
3524 F8
3525 F9
3526 D2
3999 E5
4501 F7
4502 D9
6500 B4
6501 B4
6502 C4
6503 C4
6504 H12
6505 H12
6506 D3
6507 C2
7501 G4
7502 B7
7503 B8
7504 D7
7505 G7
7506 D9
7507 F9
c001 I11
c002 I10
c003 I9

Layout I/O 3rd SCART Panel (Top Side)



1339 B2
1680 A1
1690 C1
1937 C1
1992 A2
2501 C1
2505 B1
3526 A1
7506 A1
9501 B2

Layout I/O 3rd SCART Panel (Bottom Side)



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2500 A1
2502 C2
2503 C2
2504 A1
2506 B2
2507 B2
2508 A1
2509 A1
2511 B2
2513 B2
2514 C1
2515 B2
3301 A2
3500 C2
3501 A1
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4504 B1
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4506 C1
4507 C2
6500 A1
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6502 A1
6503 A1
6504 B1
6505 C1
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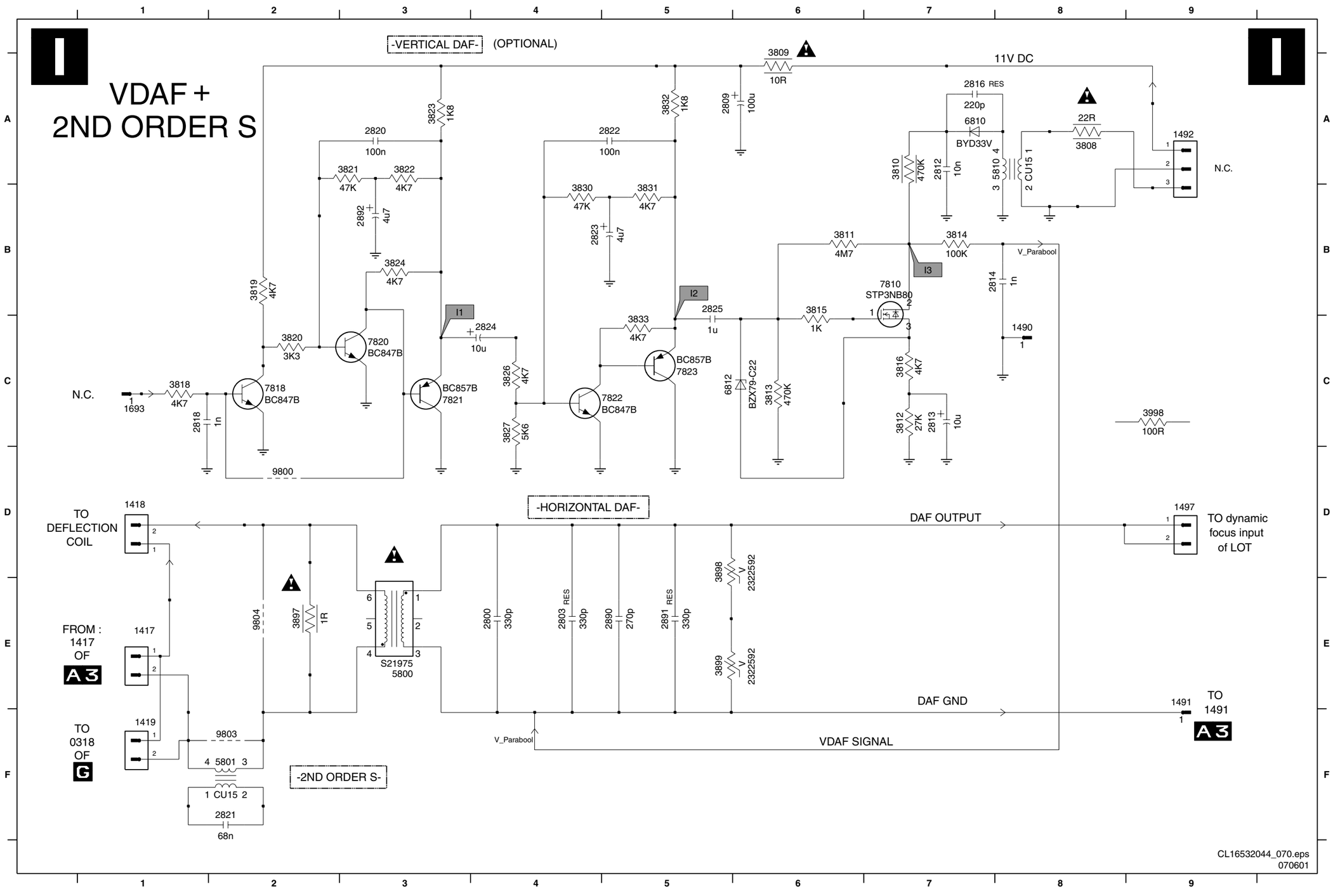
VDAF + 2nd Order S Panel



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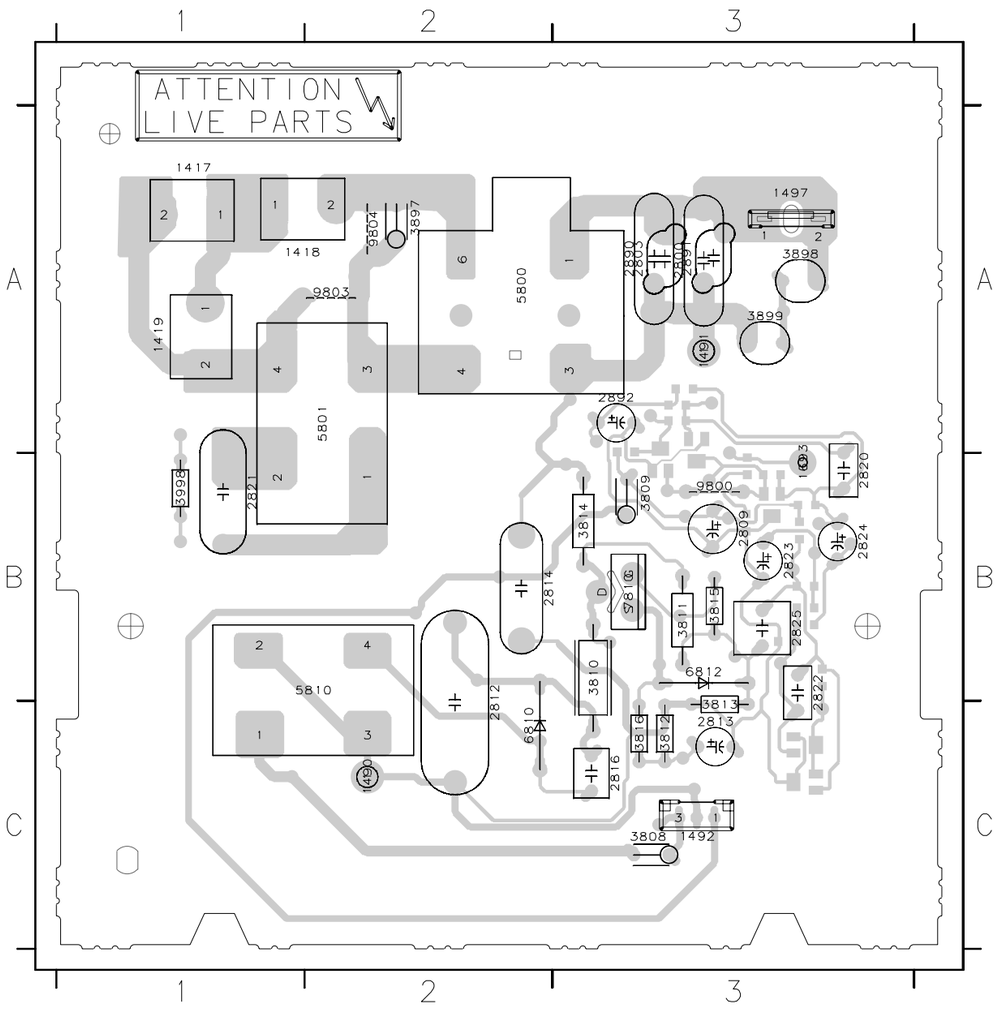
1418 D1 9800 D2
1419 F1 9803 F2
1490 C8 9804 E2
1491 E9
1492 A9
1497 D9
1693 C1
2800 E4
2803 E4
2809 A5
2812 A7
2813 C7
2814 B8
2816 A7
2818 C1
2820 A3
2821 F2
2822 A5
2823 B4
2824 C4
2825 B5
2890 E5
2891 E5
2892 B3
3808 A8
3809 A6
3810 A7
3811 B6
3812 C7
3813 C6
3814 B7
3815 B6
3816 C7
3818 C1
3819 B2
3820 C2
3821 A3
3822 A3
3823 A3
3824 B3
3826 C4
3827 C4
3830 B4
3831 B5
3832 A5
3833 C5
3897 E2
3898 D5
3899 E5
3998 C9
5800 E3
5801 F2
5810 A8
6810 A7
6812 C5
7810 B7
7818 C2
7820 C3
7821 C3
7822 C5

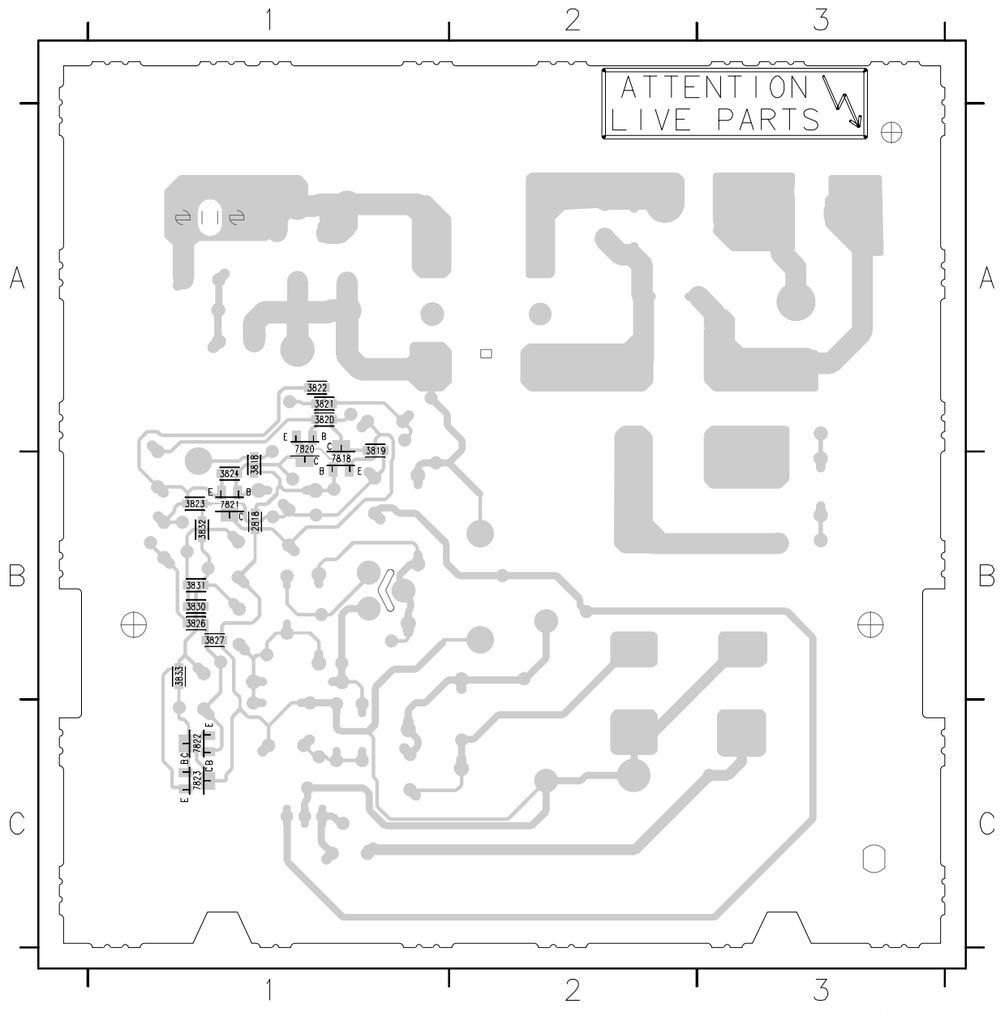
Layout VDAF + 2nd Order S Panel (Top Side)



1417 A1
1418 A1
1419 A1
1490 C2
1491 A3
1492 C3
1497 A3
1693 B3
2800 A3
2803 A3
2809 B3
2812 C2
2813 C3
2814 B2
2816 C3
2820 B3
2821 B1
2822 B3
2823 B3
2824 B3
2825 B3
2890 A3
2891 A3
2892 A3
3808 C3
3809 B3
3810 B3
3811 B3
3812 C3
3813 C3
3814 B3
3815 B3
3816 C3
3897 A2
3898 A3
3899 A3
3998 B1
5800 A2
5801 A1
5810 B2
6810 C2
6812 B3
7810 B3
9800 B3
9803 A2
9804 A2

CL16532044_086.eps
060601

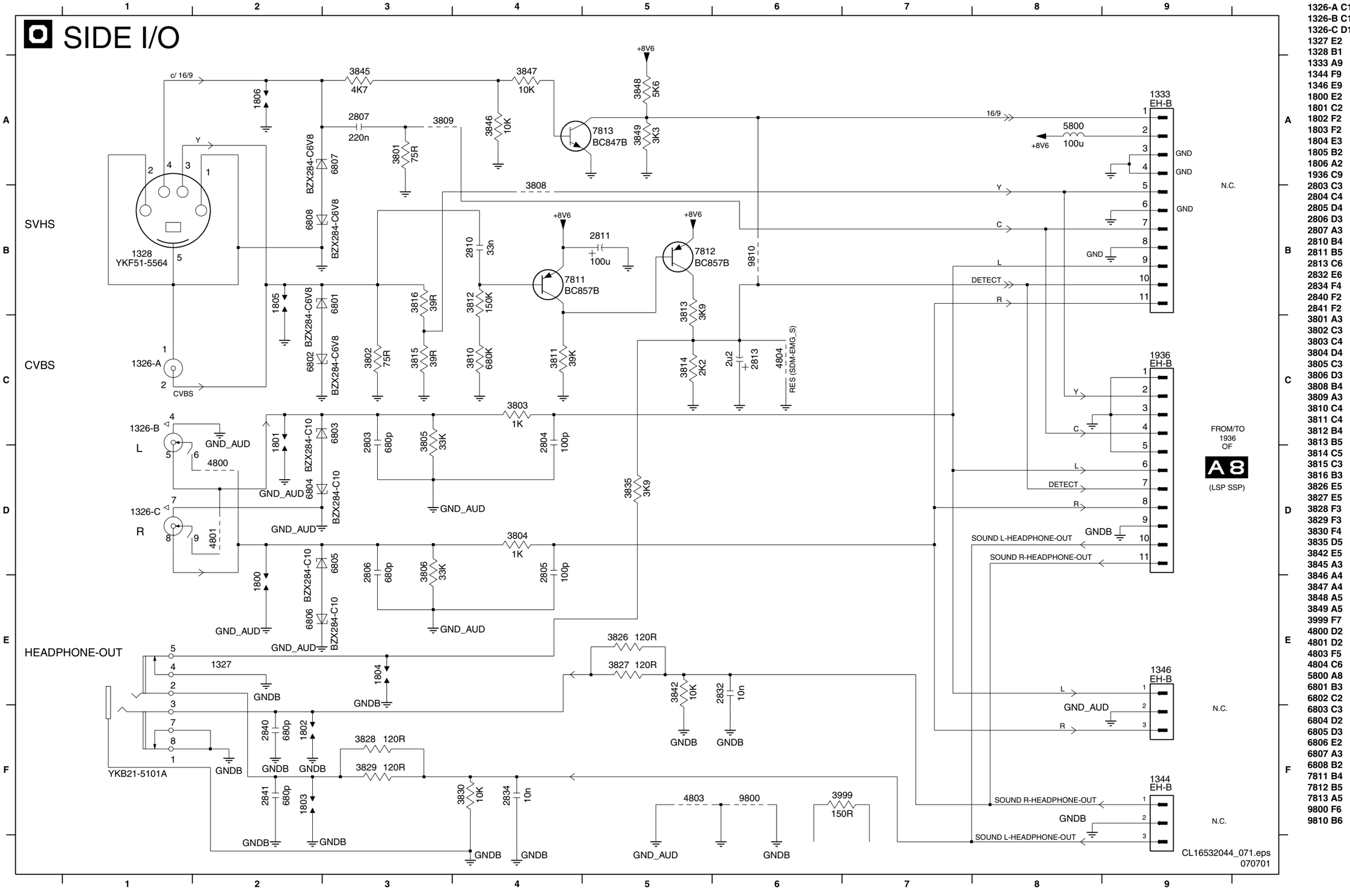
Layout VDAF + 2nd Order S Panel (Bottom Side)



2818 B1
3818 B1
3819 A1
3820 A1
3821 A1
3822 A1
3823 B1
3824 B1
3826 B1
3827 B1
3830 B1
3831 B1
3832 B1
3833 B1
7818 B1
7820 B1
7821 B1
7822 C1
7823 C1

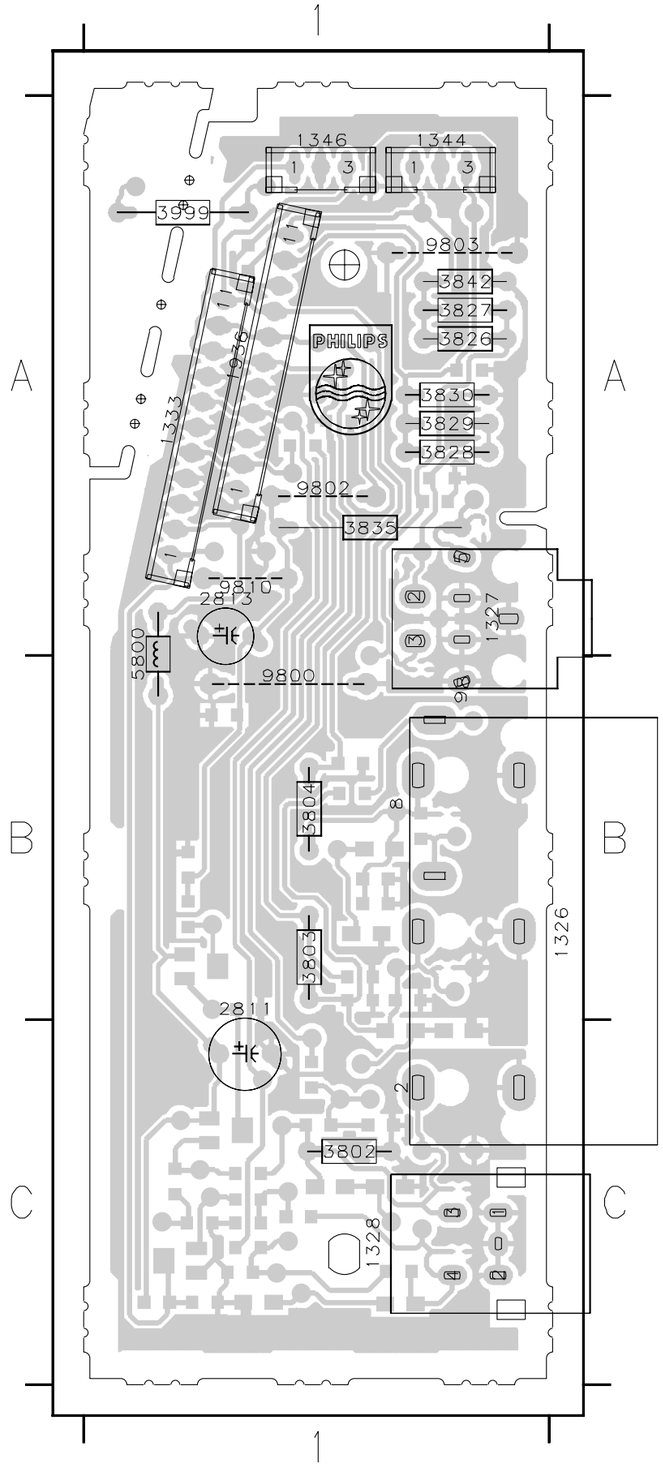
CL16532044_087.eps
180601

Side I/O Panel



1326-A C1
1326-B C1
1326-C D1
1327 E2
1328 B1
1333 A9
1344 F9
1346 E9
1800 E2
1801 C2
1802 F2
1803 F2
1804 E3
1805 B2
1806 A2
1936 C9
2803 C3
2804 C4
2805 D4
2806 D3
2807 A3
2810 B4
2811 B5
2813 C6
2832 E6
2834 F4
2840 F2
2841 F2
3801 A3
3802 C3
3803 C4
3804 D4
3805 C3
3806 D3
3808 B4
3809 A3
3810 C4
3811 C4
3812 B4
3813 B5
3814 C5
3815 C3
3816 B3
3826 E5
3827 E5
3828 F3
3829 F3
3830 F4
3835 D5
3842 E5
3845 A3
3846 A4
3847 A4
3848 A5
3849 A5
3999 F7
4800 D2
4801 D2
4803 F5
4804 C6
5800 A8
6801 B3
6802 C2
6803 C3
6804 D2
6805 D3
6806 E2
6807 A3
6808 B2
7811 B4
7812 B5
7813 A5
9800 F6
9810 B6

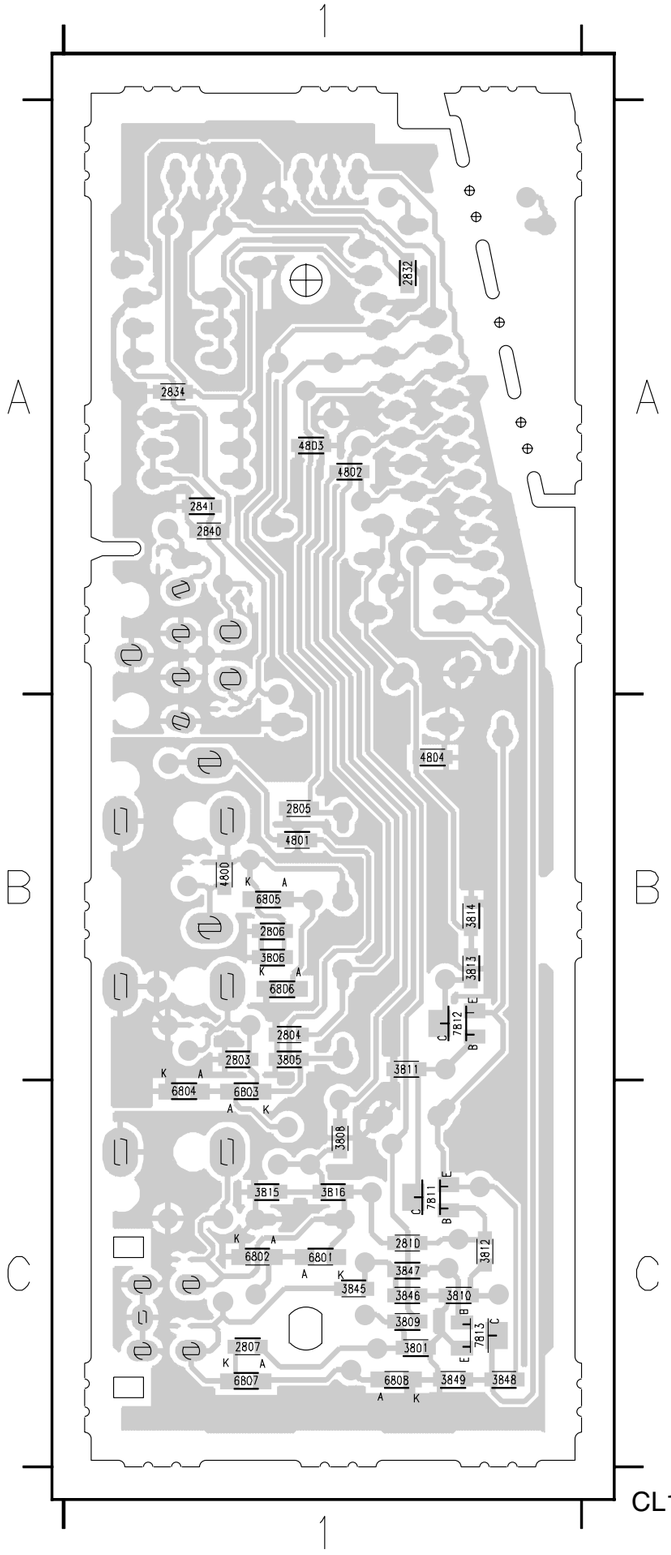
Layout Side I/O Panel (Top Side)



1326 B1
1327 A1
1328 C1
1333 A1
1344 A1
1346 A1
1936 A1
2811 B1
2813 A1
3802 C1
3803 B1
3804 B1
3826 A1
3827 A1
3828 A1
3829 A1
3830 A1
3835 A1
3842 A1
3999 A1
5800 A1
9800 B1
9802 A1
9803 A1
9810 A1

CL16532044_088.eps
060601

Layout Side I/O Panel (Bottom Side)



1326 B1
1327 A1
1328 C1
1333 A1
1344 A1
1346 A1
1936 A1
2811 B1
2813 A1
3802 C1
3803 B1
3804 B1
2803 B1
2804 B1
2805 B1
2806 B1
2807 C1
2810 C1
2834 A1
2840 A1
2841 A1
3801 C1
3805 B1
3806 B1
3808 C1
3809 C1
3810 C1
3811 B1
3812 C1
3813 B1
3814 B1
3815 C1
3816 C1
3826 A1
3827 A1
3828 A1
3829 A1
3830 A1
3835 A1
3842 A1
3845 C1
3846 C1
3847 C1
3848 C1
3849 C1
3999 A1
4800 B1
4801 B1
4802 A1
4803 A1
4804 B1
5800 A1
6801 C1
6802 C1
6803 B1
6804 C1
6805 B1
6806 B1
6807 C1
6808 C1
7811 C1
7812 B1
7813 C1
9800 B1
9802 A1
9803 A1
9810 A1

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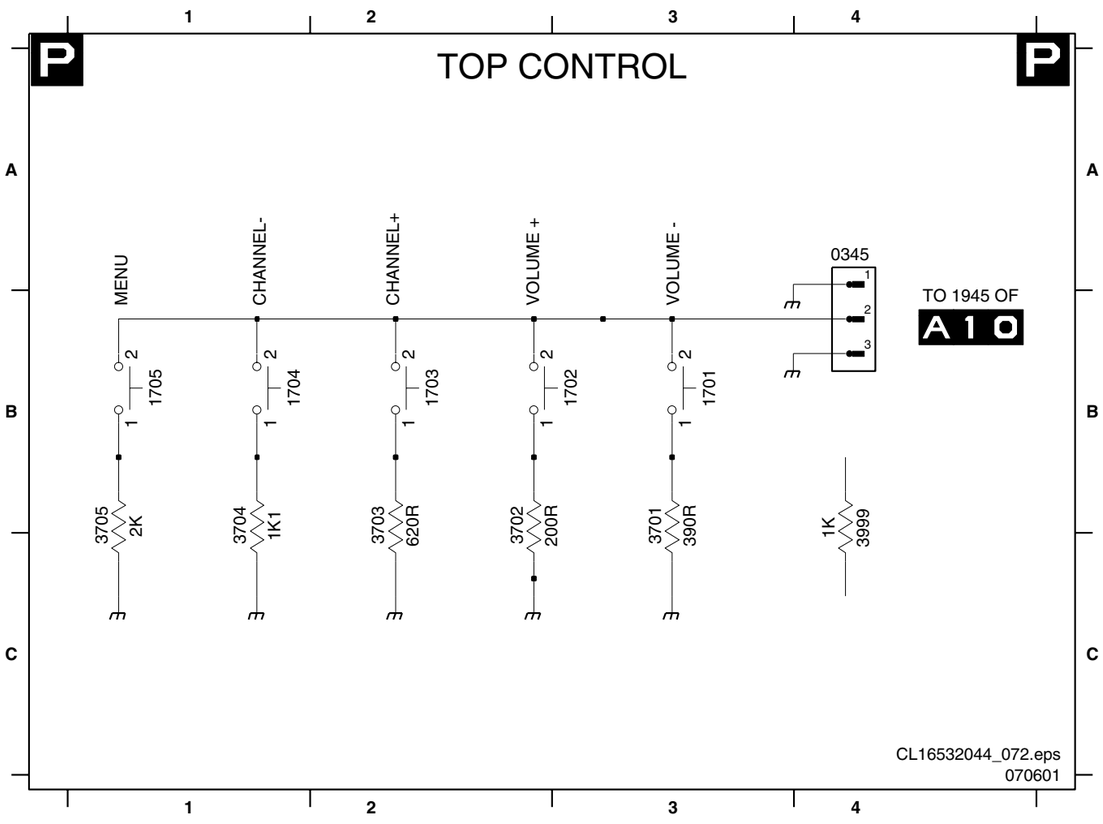
070601

Top Control Panel

0345 A4 1702 B3 1704 B1 3701 B3 3703 B2 3705 B1
1701 B3 1703 B2 1705 B1 3702 B2 3704 B1 3999 B4



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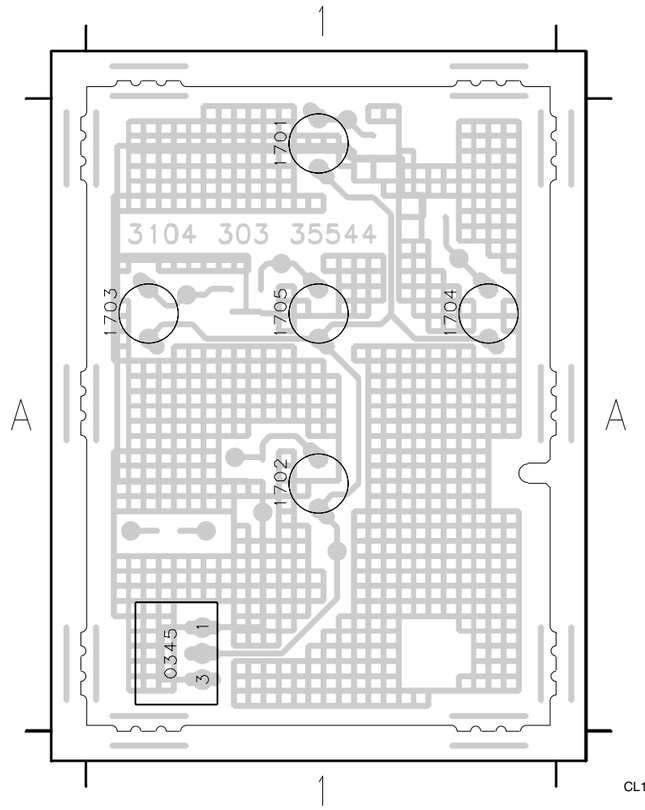
070601

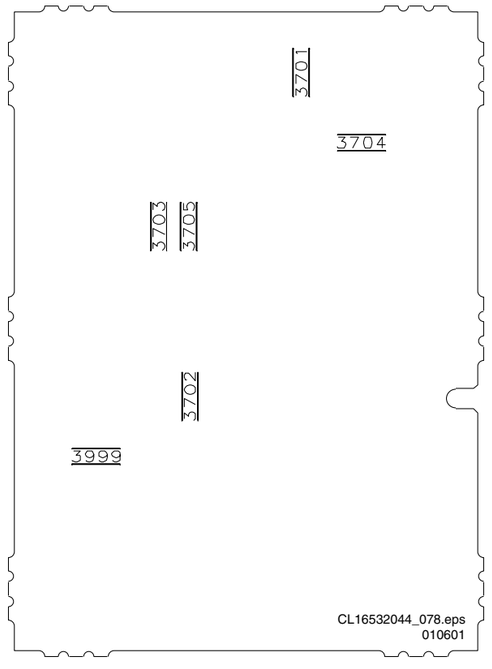
Layout Top Control Panel (Top Side)



0345	A1
1701	A1
1702	A1
1703	A1
1704	A1
1705	A1
3701	A1
3702	A1
3703	A1
3704	A1
3705	A1
3999	A1

CL16532044_079.eps
010601

Layout Top Control Panel (Bottom Side)



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010601